



The
HEMIST AND DRUGGIST
 or RETAILER - WHOLESALER - MANUFACTURER

shed 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

115
XL

AUGUST 21, 1943

Annual Subscription (with
Diary) 25/- Single Copies 9d.

INTERESTING EVENTS IN PHARMACY NO. 22



1855

1933

Professor H. G. GREENISH

An outstanding figure in Pharmacy of our own time. Professor of Pharmaceutics at London University, and Dean of the School of Pharmacy, he was one of the few foreign Scientists honoured by Paris University with the degree of Doctor. His Text-Book on *Materia-Medica* is a standard work.

BURGOYNE BURBIDGES

Established 1741 & COMPANY LIMITED, LONDON, E.6



... wish to pay tribute on the tenth anniversary of his death in August 1933, to the permanence of his life's work ... an honour to this series of great men of science.

Parke, Davis & Co.

ask for the indulgence of pharmacists towards the firm's endeavours to secure, on the . . . basis of their customers' 1939 orders, a fair . . . distribution of . . . their own officially restricted stocks . . .



50 BEAK STREET, LONDON, W.1
Inc. U.S.A. Liability Ltd.

ton Bulletin No. 15

SIZES OF "MILTON" NOW AVAILABLE

ton Antiseptic is now available in two sizes—
and 1/1½d.

emphasize this because we understand that in some districts
mists are complaining that they have difficulty in obtaining
1/1½ size.

re is no shortage of "Milton" in either of these sizes and
plies are readily available.

mists who continue to experience this difficulty in obtaining
larger size should write to us direct so that we can
stigate the matter and take steps to rectify it.

MILTON ANTISEPTIC

MILTON DENTURE POWDER

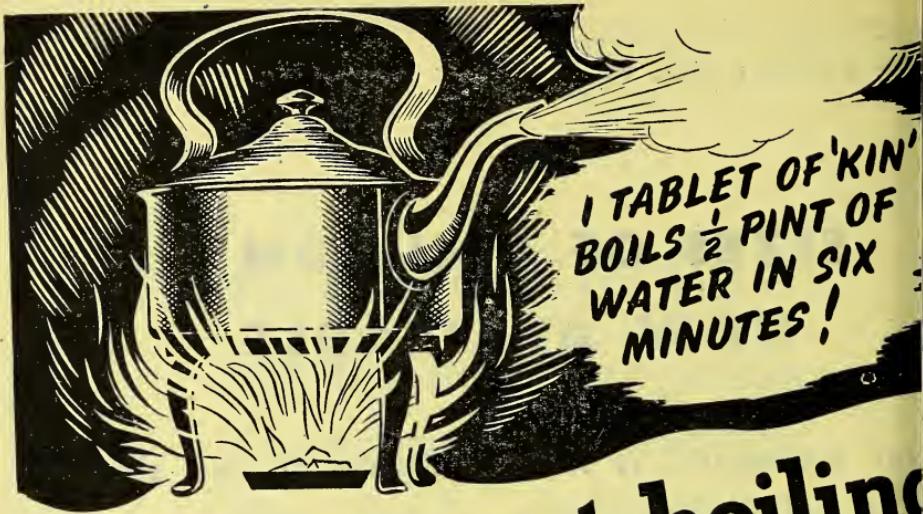
MILTON DENTAL CREAM

MILTON OINTMENT

MILTON NASAL SPRAYS

All these Milton products may be
included to make up a £2 or £5 bonus
parcel, on which there is an allowance
of 5s. and 14s. respectively for a
fortnight's window display.

ton Antiseptic Ltd., Chapel Lane, Sands, High Wycombe, Bucks

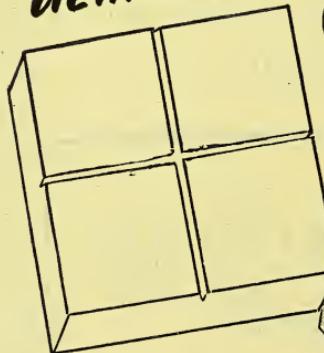


keep the pot boiling

*There's a
steady
demand for*

In these days of trade restrictions and commodity shortage, it's not too easy to keep up sales. Here's a steady seller that will increase your turnover! "KIN," a new and better Solid Fuel.

In constant demand by campers; servicemen; service-women; in camp and billet; in the home wherever quick, clean heat is wanted. Stock "KIN," it's ready sale will help to keep your pot boiling!



"KIN" SOLID FUEL



*Write for terms :
Emergency Products Ltd.,
239, St. Vincent Street,
Glasgow.*

RETAIL
PRICE
1/-
PER BOX
LARGE TA

T.K.2.

Farmers will soon be asking for

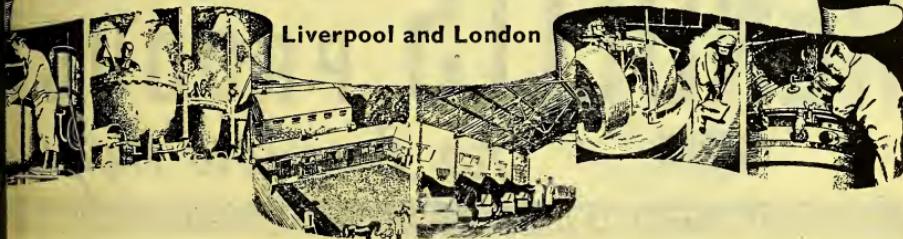
EVANS **Braxy** VACCINE

Practical experience has taught farmers that losses of sheep through Braxy can be prevented by inoculation with Evans Braxy Vaccine. This fact and the low cost of inoculations are being stressed in consistent publicity in the farming press.

es of Evans Braxy Vaccine are avail-
or immediate delivery and chemists
commended to order adequate stocks
o meet the coming demand.

EVANS BRAXY WHOLE CULTURE VACCINE			
	Retail	Wholesale	
Containers of 50 c.c. -	3/3	26/-	doz.
,, 100 c.c. -	4/6	36/-	,,
,, 250 c.c. -	10/6	84/-	,,

EVANS SONS LESCHER & WEBB LTD



Liverpool and London



RENDELLS
SILATEX
SANTRON
MENSINOLE

Your customers continually ask for **SILATEX** and **SANTRON** and yet you cannot obtain sufficient supplies to meet the demand. We are doing our best to arrange distribution to wholesalers so that all Chemists obtain their fair share. The demand is ever increasing but the shortage of raw material is a matter we know you will understand.

There is no shortage of **RENDELLS** or **MENSINOLE** and all Wholesalers now have ample stocks, so continue to display Rendells Products for Feminine Hygiene. It creates new customers and gives confidence to regular users. Special Chemists' Display Material is still available, so write to-day for a supply.

RENDELLS PRODUCT

P.A.T.A.

For Feminine Hygiene

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Nutritional Food Tonic

SUPPLIES

There are adequate supplies of VIKELP Mineral-Vitamin tablets in all sizes—available for YOU. Please send your orders for VIKELP to Messrs. J. C. Gambles & Co. Ltd., 211/215 Blackfriars Road, S.E.1, or through your regular wholesaler.

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2	110	4/-	31/6
3	250	7/6	60/9
4	750	19/6	157/6

You can recommend VIKELP with every confidence. It is Genuine; it is Ethical; it is

P.A.T.A.

HEALTH PRODUCTS LABORATORIES LTD.
128-134 Baker Street, London, W.1

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SPIRONINE

THIS preparation is a stable elixir containing in a fluid drachm a compound of caffeine and iodine, equivalent to approximately $\frac{1}{4}$ grain of caffeine aloid together with the soluble constituents of grains of coffee. Spironine is indicated for the relief of asthma, and for the prevention of resulting tonic respiratory and cardiac disturbances. It is a stable, readily tolerated and quite harmless. Spironine is being advertised to the medical profession, and pharmacists will be well advised to keep adequate stock in readiness for all demands.

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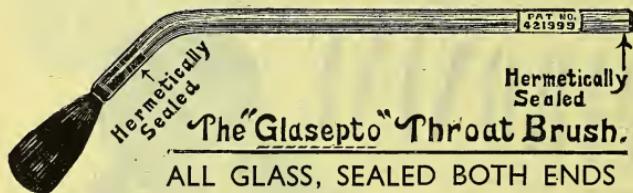
16s of 2½ fluid oz.
11s 2/9 Wholesale per dozen 20/- plus tax 3/9 per doz.
16s of 5 fluid oz.
11s 5/- Wholesale per dozen 36/- plus tax 6/- per doz.
ALSO IN BULK.



THE BRITISH DRUG HOUSES LTD. LONDON N.1

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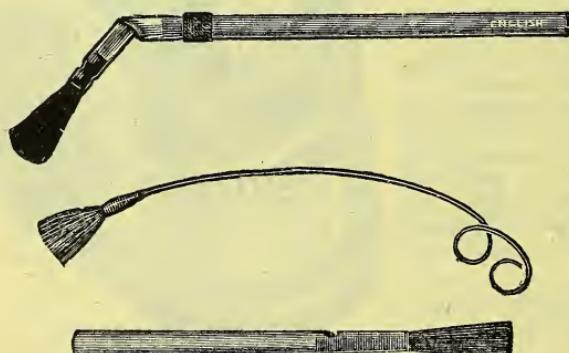
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ALL GLASS, SEALED BOTH ENDS

THERE IS NO OTHER BRUSH
TO COMPARE WITH IT FOR
DESIGN, QUALITY & UTILITY

PRICE 5/6 doz.
BENT OR STRAIGHT
FROM STOCK



Also
THROAT BRUSHES
Wood or Wire Handle

IODINE, TINCTURE
and other medical soft
hair pencils

Makers—
M. J. FECHER, LTD.
121 HIGH STREET,
SLOUGH, BUCKS
ESTABLISHED 1891

In constant demand!



What is your stock position? Is it time you ordered again? Supplies are not unlimited. By ordering well in advance you will lessen the risk of being out of stock through unavoidable delivery delays, and, at the same time, assist us to arrange an equitable distribution of available supplies. VENO, ENO, THERMOGENE, PHENSIC are firmly established, quick-selling, profitable lines. Order well ahead!

VENO DRUG CO. LTD.
CHESTER ROAD • MANCHESTER, 16

PACKED PILLS

Owing to packing regulations in force, we regret the temporary withdrawal of our popular series of 3d. Pills as from September 1st.

The undermentioned "V" series conform to the regulations and are now the nearest we are able to offer—

"V" SERIES

(STYLE 1: Mauve Labels) (STYLE 2: Buff Labels)	Gregory's	} 24's 3/6 <small>DOZ.</small>
	Hamilton's	
Head & Stomach	} Rhubarb	

Antibilious Back & Kidney Gout & Rheumatic Juniper Liver & Stomach	} 30's 4/- <small>DOZ.</small>	

Apiol & Steel Cochia Female Hiera Piera Indigestion & Wind Liver Rousers Steel & Pennyroyal	} 36's 4/6 <small>DOZ.</small>	

Prices subject to
 market fluctuations
 and P. Tax 16½% extra

ARTHUR H. COX & CO. LTD. BRIGHTON



OUR DAILY BREAD

How much of it do we owe to the gallant Merchant Seamen who, with undaunted courage take their lives in their hands twenty four hours of each day, that we may live in comfort? Nothing can be too good for them, no sacrifice on our part too great, which will help them face the bitter hardships of their task.

This space is donated
by

Medico — Biological
Laboratories Ltd.

MERCHANT NAVY COMFORTS SERVICE

START SOMETHING — DO SOMETHING

Materials Available

Perfume. Water, Oil and Spirit Soluble.

Emulsifying Waxes. For making Hair Cream with and without oils.

Gum Trag and Gum Karaya. All qualities. **Colours and Dyes.** Prepared for every purpose. Technical information on the manufacture of most every-day preparations and the materials for making same available, including containers.

Liquid Shampoo. Limited supplies available.

Windowed Face Powder Boxes.

Sprinkler Talcum Powder Boxes. Very attractive. 39/- $\frac{1}{2}$ gross. 72/- per gross.

EMBOSSSED STOCK PERFUMERY LABELS

Labels, Seals and some Medical Labels. Attractive designs. Minimum 250 of a type. Also shampoo envelopes. Price Lists 3d.

ATTRACTIVE METAL CAPPED BOTTLES AND JARS

New Range Available and Available Shortly. Examples: Amber, Squat and White Flint Jars. Flats and Panelled Bottles. Oval, Direct Square, Cylindrical Toilet Bottles, 4-dram Cylindrical and $1\frac{1}{2}$ dram Pyramid—latter 20/- per gross. Fancy Hair Cream, Bath Salts and Perfumery Jars available shortly—10 oz. size from stock—the latter 36/6 per gross.

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MESSRS. LENNARD LEE-NARVILL & CO.,
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Telephones: 16247 (2 lines) Private Exchange.
Telegrams: "Leenarvill Hull."

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All usual wordings in this design

VANISHING CREAM

VANISHES AND SOOTHES
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INCREASE YOUR SALES—PROTECT YOUR PROFITS

BRICCAS

FRAGRANT TONIC
HAIR CREAM

Makes the Hair Behave For Loveliness & Charm Delicately Perfumed

ALL MATERIALS AVAILABLE
PROMPT DELIVERY

Send stamp for details to

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He uses Sharpex and gets a clean shave week after week from one blade. Widespread advertising is stimulating sales. Sharpex tails at 4/6 (inc. P.P.)



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SHARPEX
RAZOR BLADE SHARPENER

Order from
your regular
wholesaler

Dentesive
for
DENTAL PLATES

"Squeezed from a tube"

THE NEW BETTER TYPE FIXATIVE

Holds firmer and three times longer than ordinary fixatives



Firmly established in public confidence and nationally advertised, Meggeson Bismuth Dyspepsia Tablets are selling more readily than ever. While supplies are adequate, it is advisable for you to order well ahead. We still have to contend with transport difficulties, so please let us know your requirements in good time.

MEGGESEN

BISMUTH DYSPEPSIA

TABLETS

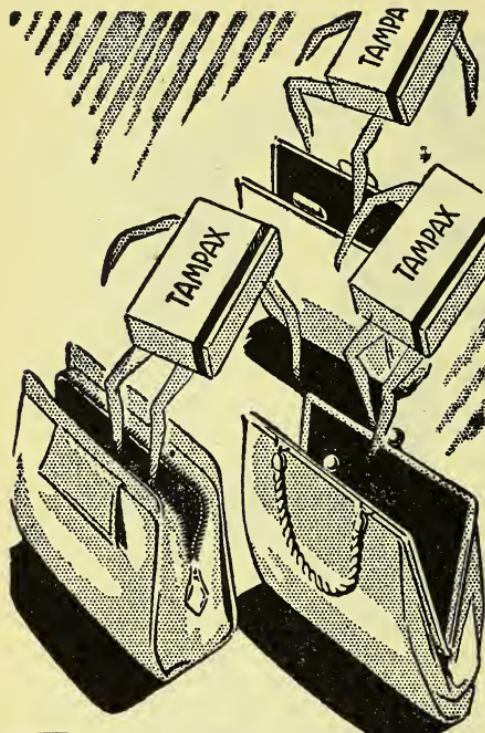
A CHANGE OF ADDRESS

On May 15, 1943, we published in the "C. & D." the names and addresses of our representatives to whom you should send your orders for Meggeson's. Our Mr. Shaw, of Northern Ireland, has moved. Please cut his new address out (on the right) and paste it over the old one.

H. W. C. SHAW,
St. Anthony's,
Cony Island,
Ardglass,
Co. Down,
NORTHERN IRELAND.

MEGGESEN & CO., LTD., LONDON, S.E.16

Established in the year 1796



Tampax Sales are more than lively!

Personal recommendations and consistent advertising are bringing new business for Tampax every week. And new Tampax business means two things—both acceptable to the dealer in these days. Every sale starts a steady *repeat* demand. And every customer who comes in for Tampax usually goes out with other purchases as well!

TAMPAX TRADE TERMS P.A.T.A. PRICES:

Pkts. of 3. Wholesale 5/3 doz. Retail 7d. pkt.
.. 10. .. 15/9 .. 1/9 ..

Manufactured in England by
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Sole Distributors: SPLENDOR LTD., 5 Beastmarket Hill,
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RELIABLE

ELASTIC HOSIERY SEAMED AND SEAMLESS

For special garments to measure
we give the best possible service

SURGICAL BELTS TRUSSES AND SUNDRIES

50 years' service of
everything Surgical

SURGICAL HOSIERY CO. LTD.

Russell Street - NOTTINGHAM

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THE "MATER"

CLINICAL REGD.
The position of the Mercury column is at once
perfectly plain. Red markings above 90.4

ALL TYPES OF CLINICAL AND OTHER THERMOMETERS

PERKEN, SON & CO. LTD.

(ESTABLISHED 1852)

Quotations on Application:
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LONDON, E.C.1

Telephone: 0724 Holborn
Telegrams: "Optimus, Smith, London"





Healthy feet help the war effort

Nine out of ten people passing your shop suffer from foot troubles. It may be corns, blisters or bunions, but all these ailments reduce efficiency, and if the wearer is a war-worker—nearly everybody is these days—that is a serious thing. Scholl Advertising is encouraging every foot-sufferer to come to Scholl dealers and get their feet put right. If you put Scholl Foot Aids where they catch the eye—if you give yourself a chance to relieve every passing wearer from pain—frankly you will not only do good business, but make a genuine contribution to war-output. At present we can only offer you limited supplies of the remedies listed here. It won't be too long in applying for your share.

ZINO PADS
TARSO PADS
TOE-FLEX
2-DROP CORN REMEDY
BUNION REDUCERS
BUNION LOTION



SMARTEN UP YOUR SALES

the Only STAIN REMOVER
with the CLOTH FILTER

SHOW
YOUR CUSTOMER
THIS WONDERFUL COUPON
SAVER—SALE ON SIGHT

- ★ No Cleaning Cloth needed
- ★ Always ready for use
- ★ No wastage
- ★ Non-inflammable



DABitoff



CHEMO-PLASTICS, LTD.
17 Manchester Square, W.I.

RETAILING AT

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PAT. NO. 53650



— the Silver Polish which ensures regular and discriminating customers, to whom your other wares will also appeal.

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James Woolley Sons & Co., Ltd.

LEEDS:

Goodalls (Leeds), Ltd.,
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NEWCASTLE-ON-TYNE:

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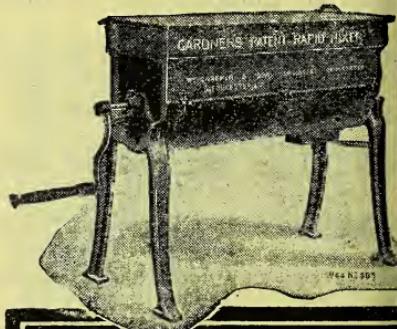
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(2)



The
BEST of all HAND MIXERS

Blends an ounce with a hundred-weight in exact proportions. Built to last for years of trouble-free, low-cost hand work.

GARDNER'S
Patent
'Rapid' MIXERS

Wm. GARDNER & SONS (Glos.), LTD., Bristol Rd.,



Established 1860

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TABLETS
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PILLS
 For the
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**Do you know
 THE LITTLE CHAP?**

A remarkable Scientific Formula
 produces this amazing NEW Cleaner

**Today's Best Cleaner is
 Today's Best Seller**



Medium and large
 sizes retailing at

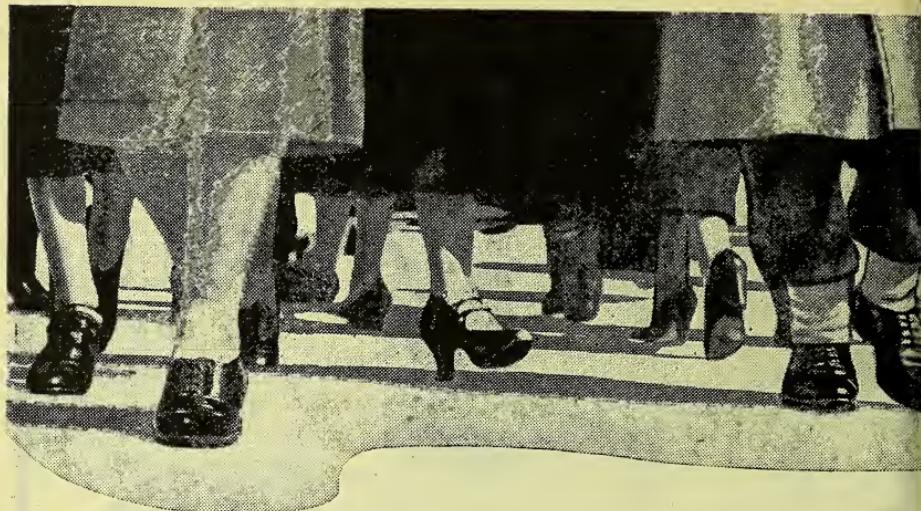
1/- and 1/6

Terms on
 application

"LITTLE CHAP" needs little introduction to your customers. They know this amazing new product as the stain remover that knocks spots off every other cleaner. Point out how it banishes stains and smears of grease, oil, paint, tar, without a trace, without discoloration or harm to delicate fabrics. Mention that it's non-inflammable, and non-evaporating—and so more economical. Then see how "LITTLE CHAP" ensures goodwill as well as good profits!

THE
LITTLE CHAP
 STAIN REMOVER

Made by
 DON PHARMACEUTICAL LABORATORIES LTD.
 37 BEDFORD SQUARE, LONDON, W.C.1



Suggest relief for *tired* *burning feet* by displaying the popular antiseptic dusting powder



It's a good time to have Sharp & Dohme's famous 'B.F.I.' Powder on display. So many people know it well, and use it for so many various applications, you can count on steady dependable turnover.

'B.F.I.' has been successfully employed for in the treatment of superficial wounds, chafing, athlete's foot, etc. It has these desirable properties: it is protective (it spreads and clings); it is astringent; it is absorbent; it is sooty; it is antiseptic. Send for terms.

B·F·I BISMUTH
FORMIC IODIDE
COMPOUND

Sharp & Dohme Ltd

HODDESDON

HERTS

THE ACRIDINE DERIVATIVES

ACRIFLAVINE EUFLAVINE and PROFLAVINE

occupy an important place
among antiseptics

We invite your enquiries for
our range of reliable products
at competitive prices

Supplies:

Acriflavine, Euflavine and Proflavine in
containers of 5, 25, 100 and 500 Gm.
Solvella Proflavine, gr. 1.75 containers of 25

Solvella Euflavine, gr. 1.75 containers of 100



PHARMACEUTICAL SPECIALITIES
(MAY & BAKER) LTD., DAGENHAM



When

PBI/2881061
PTE. SMITH J.

becomes
James Smith Esq.

—BUT NOT UNTIL THEN

For the time being, Plastics and the raw materials that go to the making of them are—like James Smith and Marguerite Browne—on Active Service. Their purpose is vital. The need for the great. But the time will come—and final victory will herald the day—when all the resources of KLEEWARE will be diverted to serve the peoples of the world . . . a world so dependent on Plastics for its reconstruction.

O & M KLEEMANN LTD

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Most KLEEWARE products are moulded from KABROLOID
Moulding Powders manufactured by O. & M. Kleemann Ltd.

Kleewar
Registered Trade
Mark

PLASTIC

MOTHAKS

A BIG SELLING LINE

Popularised by National Press Advertising
and firmly established in public confidence

MOTHAKS

GUARDIANS OF THE WARDROBE

6½d. Per Bag
of 8 Mothaks



Damage by moths is a menace which must be taken seriously nowadays.

Millions of people rely on MOTHAKS to save their clothes from ruin.

It is in the national interest for you to stock, display and sell MOTHAKS, and they are good profit makers.

Fixed retail price

6½d. per bag
of

8 MOTHAKS

No
purchase
tax.

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5a SPEKE HALL ROAD, LIVERPOOL, 19

Telephone: Hunts Cross 1321

Telegrams: "Sanitas, Liverpool"

Cod Liver Oil in nutrition

Before the war leading Medical opinion at home and abroad agreed that even then a daily teaspoonful of Cod Liver Oil was needed to supplement the diets of infants, children, adolescents, and nursing and expectant mothers. The pre-war *Report on the Physiological Bases of Nutrition* 1936, setting down these conclusions and recommendations was endorsed by our own Ministry of Health and the British Medical Research Council.

Since the outbreak of the war the Ministry of Food have taken steps, with their Cod Liver Oil Distribution Scheme, to ensure that adequate supplies are to-day within the reach of expectant mothers and young children.

But the Ministry of Food Scheme

needs the active co-operation and support of the Pharmaceutical Profession in recommending mothers take advantage of these facilities and in getting them to appreciate the importance and value of Cod Liver Oil in pre-natal care and through childhood and adolescence.

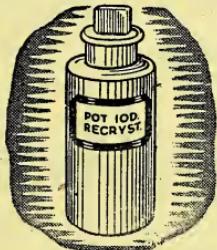
For those outside the scheme, and also for those who prefer freedom of choice, Seven Seas pure Cod Liver Oil is available in all chemists' shops throughout the country. There is a shortage of Seven Seas, and its quality and purity remain unimpaired. The Pharmaceutical Profession is, however, reminded that *orders should be placed at least two or three months ahead of actual needs*, as the difficulties of packing and delivery are greater than ever before.

Issued by BRITISH COD LIVER OIL PRODUCERS (HULL) LTD.
ST. ANDREW'S DOCK, HULL



IODINE and IODIDES

The days of burning seaweed to produce Kelp for the manufacture of Iodine are passed. The great majority of Iodine is now obtained in a crude form from the Mother Liquor of Chilian Saltpetre. From this crude material Potter and Clarke, Ltd., obtain pure Iodine by the process of sublimation, careful attention being paid to ensure that Chlorides and Cyanides are absent or, at the most, are present in very minute quantities well within the prescribed limits of the B.P. From the pure Iodine, Potassium and Sodium Iodide and Iodoform are produced in very large quantities, the various materials used undergoing stringent analytical tests before use. These products are tested at their various stages of manufacture with the result that the Iodides and Iodoform comply with the standards of the B.P. and are second to none.



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60-64 ARTILLERY LANE, LONDON, E.1. Grams-Horehound, Phone, London
 8-Blackfriars 8734 77 DANTZIC ST., MANCHESTER, 4 Grams-Horehound, Manchester



**MEDICINAL PRODUCTS
OF
ANIMAL ORIGIN**

Chemist Counter Lines

ARMOUR'S JUNKET PRODUCTS
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GLANOID BEEF JUICE

**A FULL RANGE OF GLANDULAR
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WARM GLANDS SUPPLIED IN
AMPOULES, TABLETS, LIQUIDS
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**available in Package Form
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(Pure)

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Powdered
Purified

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NEWS OF THE WEEK

ort Licensing.—Under the Export of (Control) (No. 7) Order, 1943 & O., 1943, No. 1116, price 1d.), comes into force on August 30, 1 is extended to cover fatty alcohols (including sulphonated fatty alcohols), additional chemicals. Licences will, in be required to export the following of goods to all destinations: Fatty ls, including sulphated (sulphonated) alcohols, the following: cetyl alcohol, alcohol, oleyl alcohol, stearyl alcohol, res consisting wholly or mainly of r more of the above; beef heart antigen); bile acids and their salts; exanol; cyclohexanone; saponin ic acid); and trypsin. Copies of the are available through any bookseller, rect from H.M. Stationery Office, way, London, W.C.2.

ers Elected.—At the annual meeting Southgate and Wood Green Division

of the North London Pharmaceutical Association, on July 20, the following officers were elected: *President*, Mr. A. Wilkinson; *Vice-president*, Mr. W. Harrison; *Treasurer*, Mr. G. Walters; *Secretary*, Mr. J. R. Jenkins, 1 Station Parade, Bounds Green, London, N.11.

Photographic Trades Social.—The dances given by the Photographic Trades' Social Club at the Royal Hotel, Woburn Place, London, are becoming more widely known. Between 250 and 300 members and their friends danced to the music of the R.A.F. Blue Rhythm Boys until 11 p.m. at the third dance of the season on August 6. Among those present were the president of the Photographic Dealers' Association (Mr. James Paterson, M.P.S.) and Mrs. Paterson, who brought with them a party of friends. The cabaret, too, was a great success. What will probably be the Club's last dance of the present season will be

given at the same place and with the same excellent band on September 10. Members admitted free but they may obtain tickets for their friends at 2s. 6d. each on application to the president (Mr. R. Fox, R. Fox, Ltd., 6a Hampstead High Street, N.W.3), or from any member of the Committee.

Scholarship Awards.—On the authority of the Council of the Pharmaceutical Society the president has made the following awards in the Scholarships competitive examination, 1943: *Jacob Bell Memorial Scholarship*: "Kurrambee" (Eva Mary Dickinson, 69 Queens Road, Blackburn). *Leverhulme Scholarships*: "Vogue la Galère" (Kenneth Eric Parsons, 56 Malden Road, New Malden, Surrey); "Coriolanus" (Mildred Gertrude Glover, 25 Perth Street, Accrington); and "Quant je Puis" (William Burke, 52 Ferndale Road, Waterloo, Liverpool). *Manchester Pharmaceutical Association Scholarship*: "Ne Tentis Aut Perfice" (Kenneth William McVitty, 22 Leighbrook Road, Fallowfield, Manchester). *Devon and Cornwall Exhibition*: No award. *Nottingham University College Studentships in Pharmacy*: "Esse Quam Videri" (Bernard Keat Martin, 97 Slades Road, St. Austell, Cornwall); "Carpe Diem" (John Eric Pearson, 54 North Road, West Bridgford, Nottingham).

In the Courts.—At Tynemouth, recently, a Chinese sailor was fined £5 for smuggling into this country eight ounces of prepared opium and a quantity of raw opium.—At Tonbridge, recently, Curry's, Ltd., 146 High Street, were summoned for selling, when not registered with the appropriate authority, a bottle of ammonia which had no address on the label, and did not show the proportion of poison in the container. According to the evidence the bottle contained 27.6 per cent. of ammonia w/w. Defendants were fined £5 on each summons.

Pharmaceutical Chemist Examination Results.—The following satisfied the examiners in the Pharmaceutical Chemist Qualifying examination held in England and Wales in July: Sidney James Carter, Harold Sidney Cohen, William Frank Derek Deaville, Elsie Margaret Eldridge, Douglas Gordon Green, Frank Hartley, Brian Eugene Hebert, Jack Illingworth, Hilda Betty Johnson, William John Fox Laxton, Kenneth Gordon Mason, Arthur Edward Meadowcroft, Fred Perks, Charles Henry Guillemont Stoner, Thomas Millar Tannahill, Harry Taylor, Norman Jonas Van Abbe, John Henry Ward, Walter Frederick Wilkinson. The following candidates satisfied the

examiners in Scotland: William Arn Frank Ashworth, Stanley Harold Arthur Lewis Rawson Birkby, Edwin Davison, Eric Walter Gordon Kenneth Gaimster, Tennyson Harry George Ingham, Ian William Sh Lowe, George Mutch Mitchell, Goronwy Owen, Alec Edward Pye, Gerald Rigby, Jean Smethurst, Harold Stephenson, Albert Edward William Tyson, Keith Winterbottom

Inquests.—At Leeds, recently, a case of suicide by opium poisoning was re-opened at an inquest on Mrs. Mary Jane M. widow, Kirkstall Road. It was stated that she had been depressed after the death of her husband and had been further depressed by the calling up of the dispensary employed at the pharmacy.—At Warrington, recently, an open verdict was recorded at an inquiry into the circumstances attending the death of Elsie May Gaudion, matron at the local hospital. Dame had disappeared some six weeks previously and her body was found in a field. It was stated that nearby a handbag was found with a number of full and two empty capsules of morphine sulphate and a quantity of loose tablets. There was also a safety-blade and a number of hypodermic needles.



MEDICAL SUPPLIES FOR RUSSIA.—Mrs. Churchill (wife of the Prime Minister) with Professor S. (Soviet Red Cross representative) inspecting drugs and surgical instruments forming part of a new consignment to the Soviet Union under the Red Cross Aid to Fund.

TOPICAL REFLECTIONS

ical Manifesto

report of the British Medical Association "Representative Committee" set up to investigate Assumption B of the Bevin Report has appeared with reasonable promptitude (p. 171). It may be remembered that in 1938 a pamphlet entitled "A National Medical Service for the Nation" was issued from the headquarters of the Association and received editorial notice in our columns (*C. & D.*, 1938, I, 533). That comprehensive scheme as a whole it was, I infer, not difficult for the Committee to take Assumption B in hand and to formulate recommendations on the attitude of the medical profession. The passages cited by you appear to me in principle and likely to command a measure of agreement, both within and beyond the borders of the profession. medical practitioners should not be State servants, that patients should have a free choice of doctor and that health services should not be established without inquiry. Experiments in "group practice" are three conclusions to which experienced workers in the sphere of public health readily assent. It is not to be expected that pharmacy will be regarded by medical men as anything more than one of the "auxiliary services" mentioned in Section 1 of the 1938 report: pharmacists must willingly be prepared to fight their own battles in any developments that may be envisaged. It may be noted in this connexion that the Central N.H.I. Committee of the National Pharmaceutical Union has deprecating references "as to the necessity of keeping improvements in chemists'" (p. 165), and that the Executive of the Union has endorsed this statement. As I am aware, the only sweeping improvement needed in the National Health Insurance administration is a substantial improvement in chemists' terms of service.

Medical Supplies

Suggestions recently published in "Journal of the American Medical Association" concerning the disposal of surplus medical supplies in charge of the forces at the conclusion of hostilities (p. 177) merit attention by firms and individuals accustomed to handling large quantities of stores. It has sometimes been noted that English-speaking people, and especially the younger elements among them, are inclined to be wasteful, to discard ser-

viceable implements as soon as a need for repair is evident. However much or little of truth there may be in this remark, in the matter referred to there is a clear case for taking over and making the best use of any materials that may be available beyond what the author of the "J.A.M.A." article terms "an appropriate war reserve of non-deteriorating supplies and equipment for future eventualities." Some items could be absorbed in "educational institutions": others could safely be taken into stock in commerce. In the middle of the twentieth century there is little or no risk of unsound goods finding their way past the barriers that trade organisations are perfectly competent to erect; and it is to be hoped that no avoidable waste of stores obtained from the Forces will be permitted.

Salts of Distinction

The seventh and tenth queries in your Quiz No. 8 (p. 160) would, in more leisurely times, suggest an article on the honorific titles that early chemists were given to bestowing on their salts—and, indeed, on other medicines. "Sal mirabile" explains itself: "sal polychrestum" was the salt of many benefits. "Sal," by the way, is more usually a masculine than a neuter noun. Glauber bestowed the name of sal mirabile on sodium sulphate, Wootton tells us in "Chronicles of Pharmacy," in recognition of the benefit he had derived from its use. Sal polychrestum is still given in books of reference as a synonym, preferably, for potassium sulphate (K_2SO_4), though there are other claimants to the title. When chemical medicines began to appear as rivals of galenical remedies, an appreciable number of them were proprietaries bearing no indication of ingredients in their titles. Possibly Paracelsus set the fashion in this respect. The British Museum has a pamphlet issued in 1674 by Richard Fletcher and Nathaniel Merry, "Professors of Chymical Physick in London," which sets forth "the Vertues and uses of four Excellent Medicines, viz. Arcanum Vegetabilium, Pilulae Vegetantes, Balsamum Vitae, Unguentum Refrigerans." It may be that such titles were an asset from a commercial point of view. In any case, their deliberate use was not confined to chemists. In my early days I was told by a chemist that on receiving benefit from an eye lotion prescribed by his doctor he had asked for an indication of its contents: the answer was, "I call that aqua mirabilis." **Xrayser**

COMPANY NEWS

M. SIDNICK & CO., LTD. (P.C.)—Capital £1,000. Chemists, druggists, etc. Solicitors: Manches & Co., 4 Broad Street Place, London, E.C.2.

CHEMIA, LTD. (P.C.)—Registered in Dublin. Capital £6,000. Manufacturers of and wholesale and retail dealers in medical, veterinary, agricultural, horticultural and similar products, chemicals, drugs, etc. First directors are not named.

A. J. GREEN & CO., LTD. (P.C.)—Registered in Dublin. Capital £2,000. To manufacture, import, export, produce and deal in any raw or processed pharmaceutical glands, medicinal preparations, therapeutic substances, drugs, etc. Arthur J. Green, 49 St. Albans Park, Dublin, and Mrs. Hilda Green, directors.

Voluntary Liquidation.—A meeting of the creditors of Woodlands Chemists, Ltd., Finsbury Circus, London, E.C.2, was held on August 11. Mr. John Keall, chairman, stated that he would like to give the creditors the same information as he had done to the shareholders with regard to the position leading up to the liquidation. As far back as December 1941, A. H. Price (Wholesale) Chemists, Ltd., a subsidiary company, holding the whole of the shares, and the directors of each company being the same, were summoned at Woking Police Court in connexion with breaches of the Limitations of Supplies Orders. The result was that A. H. Price (Wholesale) Chemists, Ltd., were fined £1,000. Each of the three directors of the company were also fined. Early in 1942 Woodlands Chemists, Ltd., and the three directors, were again summoned at the Guildhall Justices Court for similar offences under the Limitation of Supplies Orders, and as a result the company and the directors were fined £10,000 each. Following upon this Mr. W. H. Johnstone and Mr. H. M. Levin filed their respective petitions in bankruptcy and they had been adjudicated bankrupt. As Johnstone and Levin were the joint managing directors of the company they had the special duty to see that the Limitations of Supplies Orders were strictly carried out. He (Mr. Keall) and the company both appealed against the fines. The appeal of the company failed, but his appeal resulted in the fine being reduced from £10,000 to £5,000, as he was not an executive director. Mr. Keall further stated that he had paid his fine, but the

company had only paid £200, leaving a debt of £9,800 still to be discharged. To enemy action in April 1941, the warehouse and stock of the company were destroyed and Johnstone and Levin were entrusted with the necessary authority enabling them to purchase on behalf of the company stock to replace that which had been destroyed. It subsequently appeared that a very considerable portion of the money charged to the company for the payment of stock was never used by Johnstone and Levin for that purpose, but having appropriated the money to their own ends. As a result both men were brought to trial for embezzling the company's money. They were convicted and each sentenced to three years' imprisonment. The company's assets were mortgaged to the bank in 1939 and they had far from sufficient liquid capital to meet its business and to stock its efficient branches, quite apart from having even by instalments, the balance of £10,000 fine, or the balance of the £5,000. As pressure for payment had been made, the directors considered nothing else but to place the company in liquidation. Mr. Keall added that he had been prepared to pay the fines he was sure the company would have been able to carry on. According to the statement of affairs which had been prepared, the liabilities amounted to £13,918, made up as follows: trade debtors, £1,468; rent, etc., £1,297; dividends, £450; court fines, £10,300; amount due to employees, £401. The assets comprised: freehold property, £6,000; in-trade and book debts, £4,343; and fixtures and furniture, £4,750, making a total of £15,093. From that amount had been deducted debentures for £4,148, and contingent claims of £1,634. The net assets therefore were £9,320, or a deficiency of £4,597. The issued capital of the company was £10,000, and so far as the shareholders were concerned there was a deficiency of £4,597. In reply to a question, it was stated that there were about ten branch shops open, but five were empty. Resolutions were passed confirming the voluntary liquidation of the company with Mr. Wilcocks as liquidator, with a committee of inspection. It was stated that the liquidator did not intend to appoint a receiver of the debenture held by them, and the directors would withdraw their assets amounting to £450.

TRADE NOTES

erchant Navy Comforts.—Medico-Bio-
cal Laboratories, Ltd., Cargreen Road,
London, S.E.5, have devoted their adver-
tising space in this issue to an appeal for the
Merchant Navy Comforts Service.

hemical Price List.—Ward, Blenkinsop
Co., Ltd., Brooklands, Halewood, Liver-
pool, ask us to point out that the price list
of their products referred to in last week's
issue is not intended for general distribution
but for wholesale buyers only.

acked Pills.—Arthur H. Cox & Co.,
Ltd., Brighton, announce the temporary
withdrawal of some of their popular series
of pills, and offer in place of these certain
new "V" series. Further details will be
given in the company's advertisement in
the issue.

Business Changes

NIVERSALE TRADING Co., LTD., have
moved to 18 Charing Cross Road, London,
S.C.2.

RISH DRUG ASSOCIATION.—The tele-
phone number of the Association has been
changed to 21028-29.

Mr. M. M. CAMPBELL, M.P.S., has taken
over the business of J. Smith & Son,
Opticians, 116 Main Street, Alexandria, and
Main Street, Bonhill.

PARLIAMENTARY NEWS

monopolies and Cartels.—The President
of the Board of Trade informed Mr. Bellenden
recently that he had received a copy of
an indictment charging certain American
companies with violations of the Sherman
Anti-Trust Act, and was studying the
document.

ocation of Industries.—Replying to
Mr. J. Griffiths on August 3, the President
of the Board of Trade said he was consider-
ing recommendations made by the Royal
Commission on the Geographic Distribution
of Industries in regard to the control and
regulation of the location of industries, but
he was not in a position to make any statement.

Penicillin Request.—Mr. Craig Henderson
asked the Secretary of State for Scotland
on August 5 whether he had been able to
arrange for the release of the small quantity
of the drug penicillin for a case of which
he had been given particulars, and where
and in what circumstances this drug was procured soon
after the woman would die.

Mr. Johnston: My hon. Friend will now
have received a letter from me explaining
my position and suggesting a possible
course of action.

TRADE MARKS

(From "The Trade Marks Journal," July 28)

APPLICATION AMENDMENT

According to "The Trade Marks Journal,"
July 28, 1943, specification No. B622,504
has been altered so as to read "Pharma-
ceutical preparations for human use and for
veterinary use; sanitary substances: dis-
infectants; but not including pharma-
ceutical preparations for human use in the
treatment of indigestion."

(From "The Trade Marks Journal," August 4)

"PHILLIPS' DENTAL MAGNESIA"; for denti-
frices containing magnesia (3). By The
Chas. H. Phillips Chemical Co., Ltd., 179-81
Acton Vale, London, W.3. 621,894
(Associated).

"SONNIN"; for pharmaceutical substances (5).
By Anne Matthew Rome, 180 Fleet Street,
London, E.C.4. 622,649.

"GENOPOL"; for pharmaceutical substances
for human and veterinary use; sanitary
substances and disinfectants (5). By
Genoxide, Ltd., Kingsway, Luton, Beds.
622,683 (Associated).

"MYONEX"; for pharmaceutical preparations
being muscle stimulants (5). By Watford
Chemical Co., Ltd., 11 Waterloo Place,
London, S.W.1. 623,116.

"AVLOCaine"; for anaesthetics (5). By Imperial
Chemical (Pharmaceuticals), Ltd.,
Wexham Road, Slough, Bucks. 623,160
(Associated).

"ARMSMOSDERM"; for medicated ointments for
treatment of dermatitis (5). By Armstrong
Siddeley Motors, Ltd., Park Side, Coventry.
623,191 (Associated).

"DEGALAN"; for pharmaceutical preparations
for haemorrhoids and allied diseases (5). By
Chas. Zimmermann & Co., Ltd., 9 and 10
St. Mary-at-Hill, London, E.C.3. 623,437.

APPLICATION AMENDMENTS

According to "The Trade Marks Journal,"
August 4, 1943, specification No. 618,646,
by Imperial Chemical (Pharmaceuticals),
Ltd., has been altered so as to read "Dis-
infectants and antiseptics."

Specification No. 622,373 by A. Goldrei & Co.,
Ltd., has been altered so as to read "Insec-
ticides for destroying vermin; none for
human or veterinary use."

(From "The Trade Marks Journal," August 11)

"GESAPON"; for chemical substances for pre-
serving foodstuffs and for chemical products
for use in agriculture, etc.: (1) and for
preparations for destroying weeds and
vermin, insecticides, fungicides, sterilising
preparations and disinfectants (5). By J. R.
Geigy Société Anonyme, 215 Schwarzwaldallee,
Basle 16, Switzerland. 622,790-
91 (Associated).

"BESTOROL"; for non-medicated toilet pre-
parations not including soaps or perfumes
(3). By A. M. Carr, 142 Oldbury Road,
London, N.7. 623,286 (Associated).

THE ROYAL INSTITUTION

By H. Price, Ph.C.

TRAVERSE the fields of science in which ever direction we please, and sooner or later the name of the Royal Institution occurs, connected invariably with some outstanding achievement. What is the Royal Institution? Defined by its deed of foundation as a "foundation for the promotion of science, and the diffusion and extension of useful knowledge," it is unique amongst scientific institutions, although differing from what its founder, Count Rumford, intended it to be. Scientist, soldier and politician, Count Rumford arrived in London in 1798 as the diplomatic representative of the Elector of Bavaria, Maximilian IV. Rumford stayed on in England, and on March 7, 1799, the Royal Institution was founded. Although the Institution is Rumford's greatest memorial, he is remembered also for his refutation of the caloric theory of heat.

Soon after the foundation of the Royal Institution difficulties arose, not only because of the too ambitious scope of the project, but because of disagreement between Rumford and the first resident professor, Dr. Garnett. Rumford subsequently married the widow of Lavoisier, settling in Munich. Before his withdrawal from active participation in the affairs of the Institution, however, Rumford performed one act which put the whole world permanently into his debt, by engaging the services of a young Cornishman, Humphry Davy, as lecturer in chemistry. The wide field of Davy's researches are too well known to require elaboration. In 1812 he became unable to carry on in his full-time capacity and was succeeded in the resident professorship by Brande.

Son of a Pharmacist

William Thomas Brande, F.R.S., was the son of the proprietor of the famous Brande Pharmacy, and the "Editio Altera" of the London Pharmacopoeia 1809 (published in 1815) was largely due to him. At that time he also directed the laboratory of the Apothecaries' Company. His textbook, "A Manual of Pharmacy," first published in 1825, went into three editions. In 1841, Brande took part in the foundation of the Chemical Society, of which he became vice-president. In the early days of Brande's office, a twenty-year-old bookbinder joined the staff as assistant to Professor Brande. This was Michael Faraday, who for twelve years acted as amanuensis to Davy and

Brande in turn, whilst making his own by lecturing and acting as a sub-editor Quarterly Journal of Science. His searches covered many subjects; the electrical industries are based on his work on magnetic and electrical phenomena, in 1825 he discovered benzene. The Christmas juvenile lectures at the Institution started by Faraday in 1826.

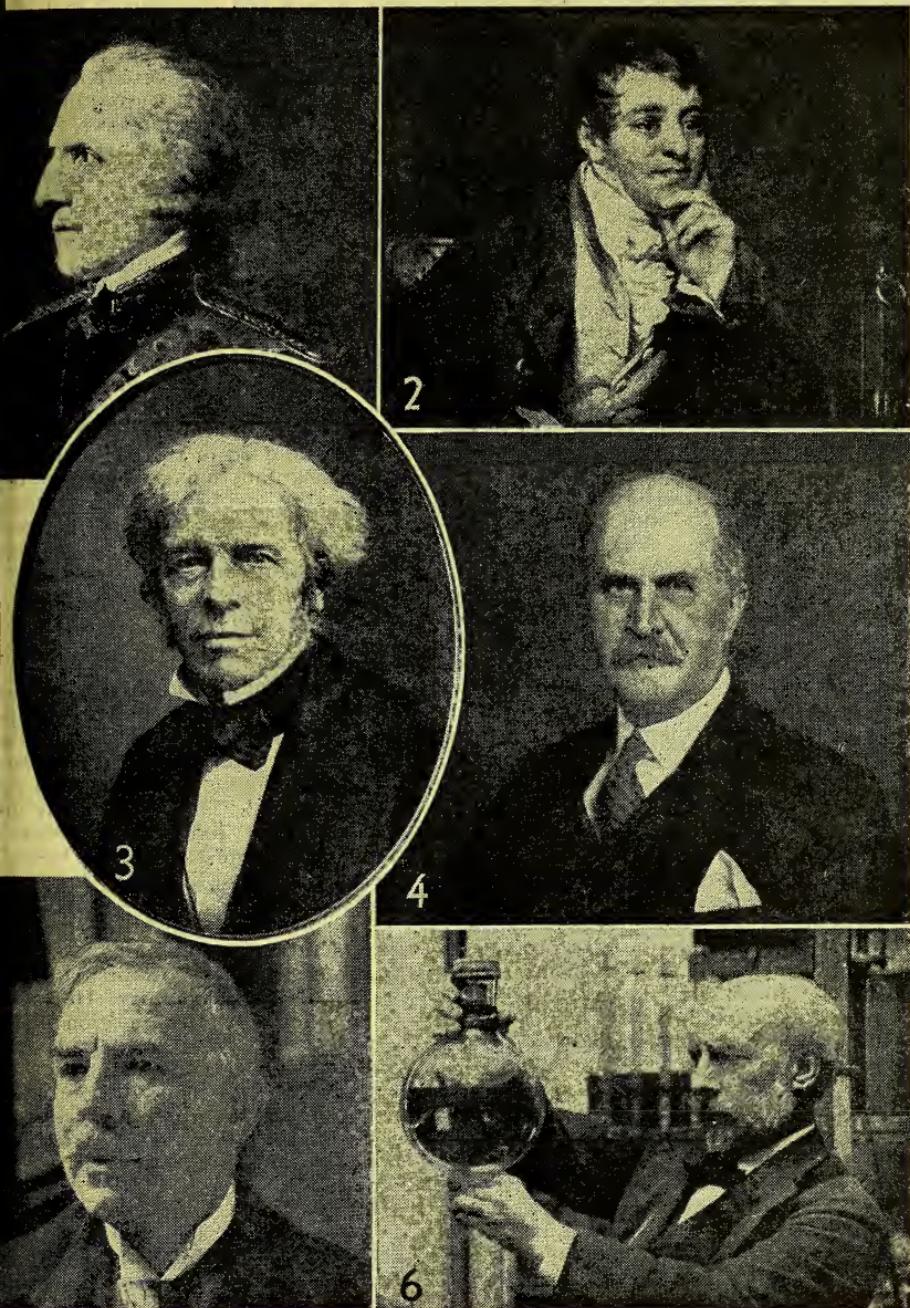
Michael Faraday

Brande held sway at the Institution until 1852, but was completely ousted by his former assistant Faraday, who in 1833 was appointed to the Fullerian Chair of Chemistry. This chair was endowed by John Fuller, whose magnificent researches on magnetism and electricity brought the Oxford D.C.L. in 1832, and he subsequently honoured with the Copley Medal. John Tyndall succeeded Brande and worked with him until the latter's death in 1867, when he followed Faraday as resident professor, having previously been professor of natural philosophy. During his researches on the chemical action of radiation, Tyndall's attention turned to the effect of dust in spreading bacterial infections, and some of the tea infusions he sealed under aseptic conditions show no bacterial growth to this day. The method of sterilisation by heating successive days, termed tyndallisation, was devised by him.

Other Famous Men

Amongst the famous men who have held one or other of the chairs at the Institution was James Dewar, inventor of the vacuum flask, Lord Rayleigh, joint discoverer of the inert gas argon, Sir J. J. Thomson, Lord Rutherford of Nelson. The residence professorship was accepted in 1923 by Sir William Bragg, Quain Professor of Physics in the University of London, who in conjunction with his son, Sir Laurence Bragg, carried out his famous work on the crystal structure. Although stress has been laid on the work of the Institution, as it affects pharmacy and the allied sciences, many brilliant physiologists have occupied the Fullerian Chair of Physiology, including Huxley, Ray-Lankester, and Sherrington. It is difficult to describe the Institution in known terms; it is not a college, nor a church, nor purely a research foundation, but might best be described as an institution for the pursuit of truth.

SOME FAMOUS MEN OF THE ROYAL INSTITUTION



Photographs by courtesy of the Royal Institution of Great Britain

1. Count Rumford, the founder. 2. Sir Humphry Davy, Bart. 3. Michael Faraday. 4. Sir William Bragg. 5. Lord Rutherford. 6. Sir James Dewar.

PROPOSED GUILD OF PHARMACY

A CONFERENCE representative of all sections in the drug trade in Eire was held at Plunkett House, Merrion Square, Dublin, on August 6, to consider the feasibility of establishing an Irish Guild of Pharmacy. The conference was presided over by the Rev. E. J. Coyne, S.J., an authority on vocational and co-operative organisation. The Council of the Pharmaceutical Society of Ireland was represented by Mr. C. J. Cremen (vice-president) and Mr. T. C. Scott (who also attended on behalf of the Irish Drug Association). Mr. I. C. Dawson and Mr. W. R. Such represented the wholesalers; druggists were represented by Mr. J. J. Costello and Mr. J. Ryan; Mr. Denis J. Nugent, Mr. W. Cunningham and Dr. O'Donnell represented the Compounders' Association; the Guild Organising Committee were represented by Messrs. A. E. Holmes, Seamus Murphy, P. P. Buckley, and T. B. Herlihy; Mr. J. J. Tierney represented students and assistants; employees and workers in the drug trade were represented by Mr. W. G. Prenderville; chemists' branch of the Irish Union of Distributive Workers and Clerks by Miss Louie Bennett, Miss M. McDonnell and Miss E. O'Connor from the Irish Women Workers' Union, and Messrs. A. McDonnell and C. Cronin from the Irish Transport and General Workers' Union. The attendance also included Mr. M. J. O'Rourke, Ph.C., chairman of the Dun Laoghaire Borough Council.

Functions of Vocational Groups

In the course of his address to the conference, FR. COYNE said that in Ireland, as elsewhere, there was a movement towards the grouping of the various professions, industry, commerce, finance and transport. The Government had set up a Vocational Organisation Commission to advise on whether the State should take steps itself to organise these groups, or whether it should let these groups grow and develop naturally themselves. The second process would probably be much slower and have many anomalies, but would probably be much healthier and more likely to last than groups called into existence by law. In its examination of the situation the Vocational Commission had found a number of group organisations it did not know existed before. Some people in the pharmaceutical world had got the idea that it was worth while exploring whether or not chemists could be organised in this way, and a number of

discussions and conferences had been held to decide if it would be an advantage to the profession to have some sort of loose organised voluntary group, or if this should be allowed to grow on their own. One thing was clear, however, to those who examined this question, and that was that it was useless to set up an organisation unless it met a real need. If there were no need and no function it could fulfil would obviously be futile and silly to create an organisation. A function fulfilled by these groups was the organisation of the profession as a whole. The good of the profession was another aim and function. The third set out things that were forbidden to the profession. The great danger when all types of people entered a profession was that it would degenerate and that would not be to the good of the community. Under this third function steps would be taken to see that one branch of a profession did not dominate the others. In a profession if one branch went out to look after its own selfish interests it might get away with it in the short run but not in the long run.

The Chemist's Needs

The fourth function which a vocational organisation could meet was the personal individual needs of the chemist. They have all certain rights and duties and an organisation should be jealous of the rights of the individual. There were many instances in which an individual chemist would suffer great injustice at the hands of the community if not backed by his professional organisation. Then he should have economic rights. He should be guaranteed remuneration comparable with the social position he has to maintain and the service he renders the community. He had omitted to mention that the question of relations between employers and employed would come under the third function he had outlined. It was in fact these questions of rates of remuneration and conditions of service which were the most powerful motives which led to the vocational organisation of workers in trade unions on the one hand, and employers on the other. Fr. Coyne then spoke of the good work achieved by the Joint Industrial Council in Eire in creating a new atmosphere and spirit between employers and employees. Trade union officials had come to favour these Councils and were coming in to the more and more. The question for the

in pharmacy was whether a clear-cut need existed in their ranks for a vocational organisation. If such a need existed then they should form it.

MR. SEAMUS MURPHY said the big problem facing chemists today was the apprenticeship problem. Then there was the need for new pharmacy legislation. With the exception of the official body, the Pharmaceutical Society, there was no organisation to draft such legislation. The Society only represented those who were qualified to compound, and was not concerned with the warehousemen, the packers, or the wholesale side of the industry. Any new legislation should cover the entire field of pharmacy. People like the boy messengers, the girl packers, the boilermen and van men, also had their lives tied up in pharmacy, and many of them were not catered for by any organisation. He felt that the few strikes they had in the drug trade in the past could have been overcome if they had the type of organisation they were now considering. It was due to the lack of co-operation that they had the position today that many chemists' lines were coming into the country which were not being distributed through legitimate channels. They saw medicinals like liquid paraffin in short supply with chemists while grocers had adequate supplies. Then with regard to manufacturing he knew of a group here anxious to start the manufacture of malt and cod liver oil but they were held up by the Government. All over Dublin they had commercial agents who formerly handled drapery or grocery lines now handling medicinal lines and coming out in competition with old-established drug houses. In his view unless the chemists—wholesale and retail—came together the profession would go down and down.

Advantages of Organisation

MR. O'ROURKE said he was convinced more than ever of the need of a big loose group representing all interests in pharmacy. Unless they did that they would fade out or become a lower group of civil servants. If they had such a group they could tackle the question of social security apart from their own particular problems. The aim of the various sections coming into such a group should be to put something in rather than to draw something out of it. Today their duties under the Pharmacy Acts were rigorously enforced upon them as chemists while their rights were filched from them by non-chemists. The formation of this group would not be a perfect system, and might easily be misunderstood, but it would give an opportunity for each section to come together and discuss their difficulties. They would get to know each other and that would be an advance.

At this stage as Fr. Coyne had to leave to fulfill another engagement, Mr. Denis J. Nugent was moved to the chair.

MR. DAWSON said he was very sympathetic to the views expressed. He believed an organisation could get further with the Government than an individual could.

Pharmaceutical Society's Position

MR. CREMEN said he could not express any view on the proposals on behalf of the Pharmaceutical Society, who were a body bound by Statute, but he would report back on the points raised to the next meeting of the Council. The whole subject covered a very wide field and involved such a tremendous amount of work for all shades in pharmacy that something good might come out of an organisation such as that proposed. An organisation like this representing various interests would, he felt sure, strengthen the Society very much when the question of new legislation came along.

MR. NUGENT said that the Compounders' Association, which he represented, felt that they were not adequately paid, and that was a scandal. It was necessary to have a qualified pharmaceutical chemist in charge of a pharmacy serving the public, or as the wording of the Act put it, "for the safety of the public," but they could have public institutions with up to 3,000 people in them and not a single pharmaceutical chemist employed in these institutions. In other words these institutions were not given the same safeguards as the general public.

MISS BENNETT said the idea of organising the whole profession, bringing in both employers and employees, seemed very good to her. She had acted on a number of Industrial Councils and found them extremely useful. She liked the word "Guild," and thought this kind of organisation should grow.

MR. PRENDERVILLE mentioned that there were strong differences of opinion in trade union ranks about vocational organisation. If safeguards were introduced under which the trade unions could safeguard their rights he would be in favour of vocational organisation.

MR. COSTELLO thought they were advancing too slowly. They should set up a Committee and get started at once.

MR. SCOTT said they should be slow to grasp at shadows and let the substance go. They had certain rights and privileges, and if they gave them up to such a body as this they might lose more than they would gain. The majority of the members of the Council of the Pharmaceutical Society had an open mind on this question.

MR. BUCKLEY expressed the view that the Government here would have to set up a scheme of social welfare, and a health service providing medicinal and hospital treatment for everyone. They would all be in it, and for that reason chemists should be organised and have some body to co-operate with the government of the day.

MR. MURPHY said that any powers the Pharmaceutical Society had would not be filched from them by this new organisation. It would not be the function of the Guild to take over their statutory powers.

After some further discussion it was unanimously agreed that each set of representatives present would report back to their respective bodies to ascertain their views, and that a further conference be held about the first week in October.

EDUCATIONAL NOTES

Pharmacy

COURSES for the Intermediate and Chemist and Druggist Qualifying examinations of the Pharmaceutical Society are given at the following schools:—

INTERMEDIATE EXAMINATION OF THE PHARMACEUTICAL SOCIETY

ABERDEEN.—School of Pharmacy, Robert Gordon's Technical College. Classes commence on October 6. Prospectus from Registrar.

BIRMINGHAM.—Department of Pharmacy, Central Technical College. Classes commence on September 27. Applications for enrolment to the Principal.

BRADFORD.—Department of Pharmacy, Bradford Technical College. Classes commence on September 27. Registration from September 21 to 24. Particulars from Principal.

BRIGHTON.—Department of Pharmacy, Brighton Technical College. Session commences mid-September. Particulars from Head of Department.

BRISTOL.—School of Pharmacy, Merchant Venturers' Technical College. Session commences September 15. Particulars from Principal.

CARDIFF.—Welsh College of Pharmacy (City of Cardiff Technical College). Session commences October 5. Enrolment, September 13 to 18. Prospectus and details of scholarship awards from Principal of Technical College or Head of Department. There are also classes for entrants to the Apothecaries' Hall examination for dispensers.

EDINBURGH.—Heriot-Watt College (including Royal Public Dispensary School of Pharmacy). Pharmacy courses commence October 12. Applications to Head of Department.

EXETER.—University College of the South-west (also for first medical examination). Prospectus from the Registrar.

GLASGOW.—Royal Technical College. Session commences September 21. Application forms from College office.

HUDDERSFIELD.—Huddersfield Technical College. Session commences on September 14; enrolment is from September 8 to 11. Particulars from head of department. Courses are also available for students taking an Intermediate degree examination.

LEEDS.—University.—There are a limited number of places in the science department for students intending to take the Intermediate examination.—*College of Tech-*

nology.—Course commences September. Prospectus from Principal.

LEICESTER.—School of Pharmacy, Leiter College of Technology and Comme Session commences September 13. P pectus from Principal.

LONDON.—*Chelsea Polytechnic School of Pharmacy*.—Courses commence September 20. Enrolment on or before September 14. Terms and prospectus from Principal.—*London College of Pharmacy*. Session commences September 28. Prospectus from Principal.—*Northern Polytechnic*. Session commences September 20. Prospectus from Principal.—*Norwood Technical Institute*. Session commences September 1. Enrolment, before August 28. Particulars from Acting Principal.—*Polytechnic, Regent Street, W.1.* Session commences September 20. Particulars from head of department of chemistry and biology. Training also given to persons intending to qualify Apothecaries' Hall dispensers.

MANCHESTER.—"Grimes" Manches Tutorial College. Revision course held each Summer term. Details from Directors of Studies.

PLYMOUTH.—Department of Pharmacy, Plymouth and Devonport Technical College. Session commences September. Particulars from head of department. The Department also provides facilities for students taking the Apothecaries' Hall dispensers' examination.

SALFORD.—Royal Technical College. Session commences September 7. Details from Principal.

SOUTHAMPTON.—Technical Department, University College. Session commences October 4. Particulars from Technical Officer.

WOLVERHAMPTON.—Wolverhampton and Staffordshire Technical College. Session commences in October. Prospectus from Director of Studies.

CHEMIST AND DRUGGIST QUALIFYING EXAMINATION

ABERDEEN.—School of Pharmacy, Robert Gordon's Technical College. Classes commence on October 6. Prospectus from Registrar.

BIRMINGHAM.—Department of Pharmacy, Central Technical College. Classes commence on September 27. In addition there are courses for the first medical and the first dental examinations and other special courses. Applications should be addressed to the Principal.

BRADFORD.—Department of Pharmacy, Bradford Technical College. Classes commence on September 27. Registration is from September 21 to 24. Full particulars from the Principal.

BRIGHTON.—Department of Pharmacy, Brighton Technical College. Session commences in mid-September. Particulars from Head of Department.

BRISTOL.—School of Pharmacy, Merchant Taylors' Technical College. Session commences September 15. Early application places is advised. Particulars from the Principal.

CARDIFF.—Welsh College of Pharmacy (of Cardiff Technical College). Session commences October 5. Enrolment, September 13 to 18. A number of scholarships of £40 per annum are awarded, solely on the results of an examination in September. Prospectus and details of scholarship awards from the Principal or the Technical College or Head of the Department.

EDINBURGH.—Heriot-Watt College (incorporating Royal Public Dispensary School of Pharmacy). Pharmacy courses commence October 12. Applications to head of department.

GLASGOW.—Royal Technical College. Particulars from College office.

LEEDS.—University. Session commences October. Form of application from the Registrar, the University, Leeds.

LEICESTER.—School of Pharmacy, Leicestershire College of Technology and Commerce. Session commences on September 13. Prospectus from the Principal.

LONDON.—Chelsea Polytechnic School of Pharmacy. Courses commence on September 10. Enrolment is on or before September 14. Terms and prospectus from the Principal. Training is also given to persons desiring to qualify as Apothecaries' Hall Inspectors. London College of Pharmacy. Session commences September 28. Prospectus from Principal.

MANCHESTER.—Department of Pharmacy, Manchester University. Session commences September 30. Registration during week commencing October 20-25. Prospectus from the Principal.

PLYMOUTH.—Department of Pharmacy, Plymouth and Devonport Technical College. Session commences September 6. Particulars from Head of Department.

PHARMACEUTICAL CHEMIST QUALIFYING EXAMINATION

Examinations are provided at Aberdeen, Birmingham, Bradford, Brighton, Bristol,

Cardiff, Edinburgh, Glasgow, Leeds (University), Leicester, London (Chelsea) and Manchester. Particulars as under "Chemist and Druggist Qualifying Examination."

DEGREE EXAMINATIONS

Courses leading to the Intermediate and Final B.Pharm. degree examinations of London University are provided at Aberdeen, Birmingham, Bradford, Brighton, Bristol, Cardiff, Edinburgh, Leicester, and London (Chelsea). Particulars as under "Chemist and Druggist Qualifying Examination" above.

Courses leading to the Intermediate and Final B.Pharm. degree examinations of the University of Wales are given jointly by the Welsh College of Pharmacy (City of Cardiff Technical College) and the Welsh National School of Medicine. Particulars from Head of Department, Welsh School of Pharmacy, or from the Principal of the Technical College.

Courses leading to the Intermediate and Final B.Sc. (Pharm.) degree of the University of Glasgow are given at the Royal Technical College, Glasgow. The degree course, normally of four years' duration, has been modified to be completed in three years during the national emergency.

Courses leading to the Intermediate and Final B.Sc. (Pharm.) degree of Manchester University are given at the University. Particulars as above.

DIPLOMA IN BIOCHEMICAL ANALYSIS

Courses of training for entrants to the examinations for the Pharmaceutical Society's Diploma in Biochemical Analysis are given at the following centres:—

BIRMINGHAM.—Department of Pharmacy, Central Technical College. See above.

CARDIFF.—Welsh School of Pharmacy. See above.

GLASGOW.—Royal Technical College. See above.

Medicine

FIRST MEDICAL EXAMINATIONS

Courses of instruction for entrants to the first medical examinations may be taken at the following institutions:—

BIRMINGHAM.—Department of Pharmacy, Central Technical College. Session commences September 27. Prospectus from Head of Department.

BRIGHTON.—Brighton Technical College. Prospectus from Principal.

EDINBURGH.—Heriot-Watt College. Particulars from Principal.

HUDDERSFIELD.—Huddersfield Technical College. Particulars from Principal.

LEEDS.—School of Medicine, Leeds University. Forms of application from Registrar.

LONDON.—*Northern Polytechnic*. Prospectus from Principal.—*Norwood Technical Institute*. Details from Acting Principal.—*Polytechnic*, Regent Street, W.1. Particulars from Head of Department of Chemistry and Biology.

MANCHESTER.—"Grimes" Manchester Tutorial College. Prospectus from Director of Studies.

MEDICAL DEGREE EXAMINATIONS

Full courses leading to medical qualification examinations are given at the following centres:—

LEEDS.—Courses for the degrees of Bachelor of Medicine and Bachelor of Surgery commence at the University in September. Forms of application from the Registrar.

ST. ANDREWS.—Courses for the degrees of M.B., Ch.B., are given at the University of St. Andrews. Session commences October 5. Particulars from Secretary, St. Andrews University, or the Secretary, University College, Dundee.

Dentistry

FIRST DENTAL EXAMINATIONS

Training for students intending to enter for the first dental examinations is provided at:—

BRIGHTON.—Brighton Technical College. Particulars from Principal.

LEEDS.—School of Dentistry, University of Leeds. Forms of application from Registrar.

LONDON.—*Norwood Technical Institute*. Details from Acting Principal.

MANCHESTER.—"Grimes" Manchester Tutorial College. Prospectus from Director of Studies.

DENTAL DEGREE EXAMINATIONS

The following details relate to courses leading to qualifications in dental surgery:

LEEDS.—Courses for the Diploma in Dental Surgery (L.D.S.) and degree of B.Ch.D. commence in September at the University.

ST. ANDREWS.—Courses for the degree of Bachelor of Dental Surgery at the University begin on October 5.

LONDON.—Royal Dental Hospital of London and School of Dental Surgery, University of London. Four years' course of preparation for the B.D.S. degree and L.D.S. diploma commences in October. Students must have passed a recognised preliminary examination. Scholarships, bur-

saries and prizes are awarded annually including an Open Entrance Scholarship of £50.

Optics

Information given below relates to optical qualifications and training facilities:—

THE WORSHIPFUL COMPANY OF SPECTACLE MAKERS, 18 Temple House, London E.C.4, holds the Fellowship examination in May and November each year and the Honours examination in May each year. The latter is open to those who have passed the former. Prospectus from the Director of Examinations.

THE SCOTTISH ASSOCIATION OF OPTICIAN holds a Fellowship examination at regular periods in Glasgow, and at other centres, as required. The examination is recognised by the Ophthalmic Benefit Approved Committee. Session commences on or about September 6. Regulations and syllabus from the Secretary.

LONDON: BARNET.—Courses of tuition for the qualifying optical examinations for the sight-testing diplomas of the Worshipful Company of Spectacle Makers, the British Optical Association and National Association of Opticians, are given by Mr. C. Scurr, M.P.S., F.S.M.C., F.B.O.A., F.I.O.F.N.A.O., B.Sc. Syllabus on application.

Science

Training in pure science is given at the establishments listed below:—

BRIGHTON.—Brighton Technical College Institute of Chemistry Associateship course.

EDINBURGH.—Heriot-Watt College Courses in chemistry and micro-analysis.

HUDDERSFIELD.—Huddersfield Technical College. Courses in physics and biology.

LEEDS.—College of Technology. Day and evening classes for Associateship of the Institute of Chemistry. Evening classes bacteriology.

Courses leading to entry for the degree Bachelor of Science may be taken at:—

LEEDS.—College of Technology. Evening classes for London B.Sc. degree.

LONDON.—*Northern Polytechnic*. Day and evening courses for internal and external degree examinations of London University.—Sir John Cass Technical Institute. Courses for Intermediate and Final B.Sc. degree examinations of University of London.

ST. ANDREWS.—The University. Particulars from the Dean of the Faculty of Science, Bude Medical Buildings, Andrews, or from the Adviser of Studies, Natural History Department, University College, Dundee.

PERSONALITIES

MR. ALEXANDER SMITH POOL, L.R.C.P., M.R.C.S. (Edin.), L.R.C.P.S. (Glasgow), chemist and druggist, a member of the Scottish Committee and of the Insurance Acts Subcommittee (Scotland) of the British Medical Association, has been appointed a representative on the Scottish Medical Consultative Committee. Mr. Pool is vice-chairman of the Glasgow division of the B.M.A., vice-chairman of the Glasgow Burgh Panel Committee, a member of the local medical war committee and its appeal subcommittee, a member of the advisory committee appointed by the Secretary of State for Scotland to advise on the health of war workers. Mr. Pool writes: "I am heartily in support of commissioned rank for pharmacists employed in the Services. I am of opinion that further strong efforts should be exerted to expedite this much overdue reform."

SERGEANT F. D. P. H. WARD, M.P.S., R.A.M.C., has arrived home at Abington Avenue, Northampton, after travelling forty thousand miles as a dispenser on a troopship. He has had the experience of being in the first invasion company in Sicily, and said: "We anchored about ten miles off the Sicilian coast and met with some slight opposition from shore batteries, but one of our cruisers soon silenced them. After that the landing was easy; in fact, our men were told not to bother about mounting the guns. We knew early in June that an invasion was in the offing, for invasion barges were being fitted to our ship and we received copies of a very useful 'Soldier's Guide to Sicily,' setting out a complete history of the island and the towns, with a list of local pronunciations from standard Italian." Mr. Ward studied at Nottingham and qualified in 1940.

DEATHS

FOGARTY.—At Steyning, Sussex, on August 5, Mr. William F. Fogarty, aged eighty-three. Mr. Fogarty held the position of manager and secretary of the General Apothecaries' Co., Ltd., 19 Wagner Street, London, S.E. 15, and late of Berners Street, from 1888 to 1930, when he retired by reason of ill-health. His devoted service to the company for over fifty-five years was greatly instrumental in keeping the company on a very sound footing so that this year it will celebrate its centenary.

NEWMAN.—On August 12, Mr. Arthur S. Newman, aged eighty-two. Mr. Newman, who still took an active part in the conduct of his business, was a well-known camera

designer. Among the various famous models in the design of which he was associated were the Sybil and Una cameras, and the N. & G. Auto-Kine, and he was the inventor of the Newman shutter. For many years Mr. Newman served on the council of the Royal Photographic Society, including several terms as vice-president, and he was chairman of the cinematograph section of the Society. In 1936 the Society awarded him its Progress Medal in recognition of his contributions to the development of photography, and in 1939 the Honorary Fellowship was conferred upon him.

RILEY.—At the North Middlesex County Hospital, on August 9, Mr. Herbert Riley, 21 Avondale Road, Palmer's Green, London, N.13, aged sixty-two. Mr. Riley, who represented the Erasmic Co., Ltd., for many years and recently Thomas Ward & Sons, Ltd., was well known in Eastern and Southern England.

WILMSHURST.—In the London Hospital, on August 10, Mr. Thomas Ernest Wilmshurst, M.P.S., Linkfield Corner, Redhill, Surrey, aged sixty-five. Mr. Wilmshurst, who had been in business locally for over thirty years, was a founder-member and past-president of the Redhill Pharmaceutical Association, and a former chairman of the Surrey Pharmaceutical Committee. He had been connected with the Redhill Baptist Tabernacle ever since his residence in the town, and had been church secretary for twenty-two years.

RECENT WILLS

MR. CHARLIE STRATFORD BROWN, M.P.S., Anchor Road, Aldridge, Staffs, who died on June 24, left £299.

MR. PERCY HORNSEY GAMLEN, M.P.S., 134 Stockton Road, West Hartlepool, Durham, who died on December 12, 1942, left £6,362, with net personality £5,322.

MR. FREDERICK WILLIAM SCRUTON, M.P.S., 53 St. Hilda's Road, Harrogate, retired chemist, who died on March 10, left £2,341, with net personality £1,948.

MR. JOSEPH EDWARD ROURA, "Trees," Tylers Green Common, Penn, Bucks, 98 Tyrwhitt Road, St. Johns, London, and 14 Seething Lane, E.C., proprietor of Roura & Forgas, cork merchants, importers and exporters, for many years honorary president of the Spanish Chamber of Commerce in London, who died on September 15, left estate in England valued at £86,309, with net personality £50,851.

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ESTABLISHED 1859

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al organ of The Pharmaceutical Society of d, The Pharmaceutical Society of Northern d, The Chemists' and Druggists' Society of d and of other Chemists' Societies in the Empire

CXL AUGUST 21, 1943 NO. 3315

fact that goods made of raw materials or supply owing to war conditions are listed in this paper or described in its vital columns should not be taken as an indication that they are necessarily available for export.

ooking Ahead in Education

NG the various subjects for which war plans are now being made is tion, and the Government's proposals recently embodied in a White Paper. suggested reforms fall into two cate-
s—those to be effected by administra-
action and those to be achieved by
ation. From pharmacy's point of view
of interest to note that the plans
le the raising of the school leaving age
teen without exemptions, with provi-
for a later raising to sixteen; the
duction of a system of compulsory
ime education in working hours for
persons up to the age of eighteen;
rovision of adequate and properly
linated facilities for technical and
education; the extension of the
facilities for securing the health and
physical well-being of children and
persons; the remodelling of the
ulum of secondary schools. Three
types of secondary schools are pro-
: grammar, modern and technical.
this stage it is difficult to see to what
t entrants into pharmacy will be
ed. With the raising of the general
of education among those leaving

school it is possible that the inflow of apprentices will increase, especially if the professional side of the business advances in the manner desired by some reformers. Whether the Pharmaceutical Society will need to revise its syllabus is a matter that should receive the Council's attention. But pharmacy is not the only professional body that will be thus concerned, the authorities controlling medical, dental, chemical and veterinary education, as well as others, will have to consider what changes are necessary to comply with the Government's plans.

Teaching Institutions

In normal times, this issue of THE CHEMIST AND DRUGGIST would be, in the main, devoted to educational information, but paper supplies have rendered it necessary greatly to curtail the details presented to our subscribers compared with pre-war days. One of the first differences that will be noticed by our readers is the absence of the education advertisements supplement, in fact, scholastic advertisements are conspicuous by their almost entire absence. To compensate, we have placed at the disposal of teaching institutions three pages in the editorial section for brief announcements on the coming session, etc. It is regretted that the information is so restricted but it was inevitable in the circumstances.

We have also included interesting historical sketches of two famous scientific institutions, The Royal Institution of Great Britain and The Royal Institute of Chemistry of Great Britain and Ireland. The Royal Institution is perhaps unique amongst scientific societies. Founded in 1799 with the object of developing the applications of science, it has held meetings continuously until the present day. Many famous scientific men have been associated with the Institution during its long life, and some of their portraits are reproduced in the article. While the association of pharmacy with The Royal Institution is not particularly close, many pharmacists have been and are members of the other society described in this issue. The Royal Institute of Chemistry was established in 1877 to provide the Government and the public with the means of recognising those who have been properly trained and proved

competent to practise chemistry as a profession. The Institute was granted a Royal Charter in 1885 with definite authority to grant certificates of competency and to register persons qualified to practise. The qualifications and examinations of the Institute have received the recognition of Government departments concerned with chemical appointments, and the qualifications of the Institute, F.I.C. and A.I.C., are also officially recognised by many other authorities both at home and in the overseas Dominions. The register of the Institute

at present contains the names of 8,500 fellows and over 950 registered students. Valuable work is being done in more than twenty centres by sections of the Institute which arrange lectures on matters of professional technical interest. Members of the Inst. also receive the Institute's "Journal Proceedings," and enjoy the facilities of an excellent reference library at headquarters. Other activities of the Institute include maintenance of an appointments register and a benevolent fund.

AIRGRAPH PHOTOGRAPHS

WHEN the possibility of transmitting photographs by the airgraph system was being considered, the Post Office, the Council of the Photographic Dealers' Association took steps to ensure that this scheme would be open to dealers as well as the stores studios.

The Board of Trade has now released a limited amount of material ex quota to dealer-finishers, professional photographers and wholesale-finishers for photographs to be transmitted by the airgraph and V-mail services and manufacturers of sensitised material have been licenced to supply this material ex quota against a certificate to be issued by the Joint Committee of the Institute of British Photographers, the Photographic Dealers' Association and the Wholesale Photo Finishers' Association. Before this certificate can become operative the following endorsement must be signed by the holder: "The goods acquired by me against the surrender of this Certificate will be used only for the purpose of producing photographs for transmission by the 'Airgraph' or 'V-Mail' Service." The Joint Committee has been entrusted by the Board of Trade with the examination of applications for such release which must be in a form approved by the Board of Trade and must be supported by customers' signatures on forms obtainable from the Committee. The General Post Office have ruled that photographs must not be affixed to airgraph service forms but must be printed directly on sensitised paper upon which is also printed a replica of the airgraph service form; this must be the same size as the official form and must not be appreciably thicker. The letterpress which appears on the back of the official form need not be reproduced. Any person who supplies replicas of the official form must first submit a specimen to the G.P.O. for

approval, but the Joint Committee arranged for a supply of masks for printing these forms and as the masks have been approved by the G.P.O. they can be used without further formality. The "air-portrait" has been adopted by the Joint Committee for this scheme as the word "airgraph" is registered.

The Joint Committee is authorising the Board of Trade to make the following charges for the necessary forms, which contribute to the cost of administering the scheme.

The Professional Photographer requires
Customers' Declaration. Forms with
for thirty-six signatures under the red
declaration.

Form W. 10 (360 signatures)
" " 100 (3,600 signatures)

Photographer's Declaration—which
accompany every batch of signatures.

Form G. 10
" " 100

The Wholesale-Finisher and Dealer-Finisher requires:—

Customers' Declaration, a voucher
signed by the customer.

Form V. In pads of 25 (25 signatures)
The Finisher's Declaration—which
accompany every batch of vouchers.

Form B. 10
" " 100

Masks for airgraph service:—

Masks, approved by the G.P.O. for printing
the forms, are available to all
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17 Argyle Street, Bath, Somerset.

CONTROL OF EMPLOYMENT

Minister of Labour and National Service has made the Control of Employment (Notice of Termination of Employment) Order, 1943, which came into force August 20. The Order requires employers generally to notify a local office of the Ministry of Labour and National Service immediately in writing of the termination of employment of any employee or when notice to terminate is given or received. The Order covers men aged 18-64 (inclusive) and women aged 18-59 (inclusive), ages easily definable by Unemployment and Health Insurance contributions, and applies to paid and unpaid work, full time or part time, so long as the work is for not less than twenty hours a week.

The purpose of the Order is to obtain the prompt information about all workers who are leaving their jobs as is now available to the Ministry about workers under Essential Work Orders, so that steps can be taken to ensure that they take up work to the best advantage in the national interest. The Essential Work Orders cover over 8,000,000 workers so that over a very wide range of industry no other obligation is placed on employers.

Exceptions

The exceptions to the Order, which are set out in the Schedule to the Order, in the main cover those classes of workers about whom the Ministry already gets the necessary information in other ways, e.g., under the Essential Work Order the permission of the National Service Officer must be obtained for ordinary discharges or leaving (except for part-time workers) and where the information can conveniently be obtained by administrative arrangement such as in the cases of port transport workers, and the Merchant Navy. Similarly notice is not required from the employer where a person is called up to the Armed Forces or transferred to other employment by direct action of the Ministry of Labour. The Order does not prevent workers from finding fresh work for themselves by any means they wish if they are already free to do so—that is if they do not come within the scope of the various Orders restricting the engagement of workpeople. But if, on enquiry, workers are found to have obtained work which is of lesser importance to the war effort, they may be required to transfer to other work in the same way as is present when changes of employment come to light under the Essential Work

Order or when special checks have been applied to persons who have registered.

Franked forms for notifying terminations can be obtained on demand from any local office of the Ministry of Labour and National Service. If an employer has notified a Local Office of an intended termination and the worker does not, in fact, leave, a further notice in writing should be sent to the local officer. Where notice has been given or received before the Order came into force, but has not yet become effective, the employer must notify the local office immediately the Order comes into force.

Copies of the Order (S. R. & O., 1943, No. 1173) may be obtained from H.M. Stationery Office, price 1d.

Central Pharmaceutical War Committee

The Central Pharmaceutical War Committee is authorised by the Ministry of Labour and National Service to notify undertakings that the Control of Employment (Notice of Termination of Employment) Order, 1943, does not apply to persons employed as pharmacists, dispensers, pharmacy students or women drug hands in any undertaking to which the Pharmacy Undertakings Order, 1942, applies, and that these undertakings should not, therefore, send a notice of termination to the local office of the Ministry of Labour and National Service in respect of any such employee.

The Pharmacy Undertakings Order

The following information is published to remind persons carrying on undertakings to which this Order applies of their obligations.

Persons carrying on any undertaking described below are required by the Order if requested by the Central Pharmaceutical War Committee to furnish to the Committee such returns and information relating to the undertaking as the Committee may reasonably require for certain purposes, and the Committee have under the Order requested from persons carrying on such undertakings the following particulars: *Retail Pharmacy Undertakings*: Particulars of (i) any person who commences employment as a pharmacist, dispenser, pharmacy student or a person engaged in the handling of drugs (excluding messengers and cleaners); and of (ii) any person employed as a

pharmacist, dispenser, pharmacy student or any other member of the staff employed in the handling of drugs (excluding messengers and cleaners) who leaves the employment or who is transferred to another branch of the establishment; and (iii) the date on which the establishment ceases to function as a pharmacy. *Manufacturing and Wholesale Undertakings*: Particulars of (i) any person who commences employment as a pharmacist; and of (ii) any person employed as a pharmacist who leaves the employment, or who is transferred to another branch of the establishment. *Hospitals*: Particulars of (i) any person who commences employment as a pharmacist, dispenser, pharmacy student or as a person engaged in the handling of drugs (excluding messengers and cleaners); and of (ii) any person employed at the hospital as a pharmacist, dispenser, pharmacy student or other member of the staff employed in the handling of drugs (excluding messengers and cleaners) who leaves the employment of the hospital or who is transferred to another hospital within the same employing authority. Particulars are required to be sent to the Committee at 17 Bloomsbury Square, London, W.C.1, within ten days of the date of the engagement, termination of employment or transfer.

Revision of Deferments in Scotland

Local pharmaceutical war committees in Scotland are being asked by the Scottish Central Committee to revise all existing deferments with a view to all pharmacists and dispensers under the age of thirty and as many as possible of those aged thirty to thirty-four at registration being released for service with the Forces. Men aged thirty to thirty-four at registration who cannot be released without replacement will be allowed to continue in their existing employment meantime. Men under thirty who require substitution in the interests of the civilian pharmaceutical service will be replaced by men aged thirty-five or over at registration who can be spared from their present employment. Since it is not proposed to call up men in low medical categories, arrangements have been made for the medical examination of all pharmacists and dispensers under age of thirty at registration. These examinations are being carried through without prejudice to the existing deferment position, but the men concerned are advised that if upon the cessation of deferment granted on pharmaceutical grounds they would desire to make application for postponement on grounds

of exceptional hardship such application should be made to the Ministry of Labour at the time of medical examination.

INSURANCE ACT DISPENSING

Cheshire.—In the period January to May 1943 the number of prescriptions dispensed in the Insurance Committee area was 632,306, at an ingredient cost £18,165 and total prescription cost £32,265, with an average cost of 12·24d.

Eastbourne.—At a recent meeting of Insurance Committee, Mr. D. Marchant, moving the Report of the Medical Benefits Subcommittee, drew attention to figures of the Pricing Bureau, showing total prescriptions for January and February 1943 were 4,154 and 4,571 respectively, which were 56 more for January than in 1942 and 544 more than February, 1942. The total average cost per person for January 1943 was 3·1d. and for February 3·3d., against 2·2d. in 1941. He thought the increased number of prescriptions was possibly due to conditions.

The annual Report of the Joint Committee for Pricing Prescriptions for South-Eastern Division was presented, and the chairman drew attention to the fact that the average total cost per insured person for Eastbourne was 32·0d. the lowest in the Division. The other Sussex figures shown were: Brighton, 51·4; Hastings, 44·4d.; Sussex, East, 74·4 and Sussex, West, 47·6d.

Circular letters from the Cheshire Insurance Committee and from the National Association of Insurance Committees reference to the Beveridge Report were considered, and the Eastbourne delegation to a Conference to be held later were asked to support the view that Insurance Committees should be retained to administer the comprehensive National Health Service proposed.

There's No Excuse Now . . . for keeping those old out-of-date price lists of medical proprietaries—they should be sent for sledge and replaced by a copy of the C. & Price List of "Medicinal Proprietaries" over the Chemist's Counter." The list is arranged alphabetically and gives in tabulated form the trade price per dozen, purchase tax per dozen and the inclusive retail price of each product. The list is up to date and copies are now on sale from The Publisher, THE CHEMIST AND DRUGGIST, 28 Essex Street, Strand, London, W.C.2, price one shilling, post free.

RECENT RESEARCH

Elixir of Sodium Barbitone.—Seeberg (Journal of the American Pharmaceutical Association," XXXII. 5. 137) claims to have devised an elixir of sodium barbitone which is more rapidly absorbed from the gastro-intestinal canal than similar elixirs containing glycerin. The formula of the author's preparation is:—

Sodium barbitone	38.0
Caramel	20.0
Compound spirit of vanillin	30.0
Syrup	375.0
Purified talc	30.0
Alcohol	of each a sufficient quantity
Distilled water	to make 1,000.0

reservation of Spirit of Nitrous Ether.—Chetis and others ("American Pharmaceutical Journal," 115. 3. 87) find deterioration of U.S.P. Spirit of Ethyl Nitrite least intensive in completely filled bottles kept at 42° F. Acidity and *pH* apparently had no appreciable effect upon deterioration or preservation, but mechanical losses, due to volatility, occurred when containers not kept completely filled. "Inspection plates should be divided in a manner to indicate mechanical losses," they recommend. Pharmacists should dispense spirit of ethyl nitrite only in completely filled containers bottled by the maker immediately after assay, and the container should bear the date of manufacture, material than three months old being discarded.

NEW BOOKS

Chemical Manufacturers' Directory.—1943, by 54 in. Pp. 185. Simpkin Marshall & Co., Ltd., 21 City Road, London, E.C.1. The seventy-fifth edition of this well-known directory has recently been issued. The classified chemicals with makers, and lists of chemical manufacturers, chem-brokers and manufacturers' agents, a quick and reliable reference for those in search of sources of supply.

Intermediate Qualitative Analysis.—J. E. Welch. 7½ in. by 4½ in. Pp. 154. 9d. University Tutorial Press, Ltd., 10 Ton House, Euston Road, London, W.1. Students entering for an intermediate examination of the universities for a higher school certificate or other examination of similar standard will find that this book meets their requirements. The work includes a chapter which deals fully with the more important features of the theory of analysis, and reactions are explained as fully as possible throughout. In general plan the book is based on

"Qualitative Analysis," by Dr. William Briggs and Dr. R. W. Stewart, which it replaces.

War Gases.—Morris B. Jacobs. 9½ in. by 6 in. Pp. 180. Imperia Book Co., Ltd., 1 Bloomsbury Street, London, W.C.1. This is an American book dealing with the identification and decontamination of war gases, published by Interscience Publishers, Inc., New York. It is written in a thoroughly practical manner and will prove of great interest to those concerned with the subject. Many methods of analysis are given, and in some instances equipment is illustrated. Dr. Jacobs has evidently made a careful study of contemporaneous literature on chemical warfare and, while providing a comprehensive bibliography, gives the principal methods of analysis in adequate detail. The book will be read principally by gas identification officers, food contamination officers and others concerned with anti-gas precautions.

MEDICAL ABSTRACTS

Sulphaguanidine in Bacillary Dysentery.—Bulmer and Priest ("Lancet," July 17, p. 69) reach the conclusion that sulphaguanidine is specific in the treatment of acute, subacute and chronic bacillary dysentery, besides being almost completely non-toxic. Sulphanilamide is without effect on the conditions; and sulphapyridine, though of value, has unpleasant effects.

War Wound Infections.—About 20-30 per cent. of war wounds sustained in the Middle East campaigns between June 1940 and October 1942 are stated by MacLennan ("Lancet," July 31, p. 123) to have contained sporing anaerobes (clostridia). In about 5 per cent. cases they caused cellulitis of varying degrees. Gas gangrene (clostridial myositis) complicated 164 wounds, representing 0.32 per cent. of all wounds and 1 per cent. of those contaminated by anaerobic organisms. Cultures from 146 of the wounds with gas gangrene showed the following clostridia in order of frequency: *Cl. welchii*, *Cl. adematiens*, *Cl. septicum*, *Cl. histolyticum*, *Cl. bifermentans*, and *Cl. fallax*. Although most of the fighting was on desert soil, where clostridia are scanty, the incidence of gas gangrene was little less than in France in 1918, despite the prophylactic use of sulphonamides and, to a less extent, of antitoxin. In treating gas gangrene excellent results followed the combined use of antiserum and sulphonamides in adequate dosage, alongside proper general and surgical measures.

TWO M.P.'S. ADDRESS CHEMISTS

A MEETING of the Southgate and Wood Green division of the North London Pharmaceutical Association was addressed by Mr. Hugh N. Linstead, M.P. (Registrar of the Pharmaceutical Society), and Mr. Beverley Baxter, M.P., at the Manor House Hotel, Finsbury Park, on August 10. Mr. A. Wilkinson (president) occupied the chair.

Pharmacy Commission Essential

MR. LINSTEAD referred to the Beveridge Report and warned chemists to beware of those who would scrap everything—bad and good. There seemed no reason why plans for the future should not be built on the services already established. In the original proposals the plans visualised a service built around the doctor, but, said Mr. Linstead, the patient comes first, and, therefore, the service should rotate around him. The service Mr. Linstead visualised and the one he thought the public wanted would have no long weary waits while civil servants examined card indexes and identity cards in health centres or hospitals. The patient wants to deal with people he knows, and chooses, and at places convenient to himself. This procedure would safeguard the principle established under existing conditions, and allow all parties concerned complete freedom of choice. There was a great danger that the grouping of doctors in health centres would centralise the medical service to the detriment of practising pharmacists. He thought it would be unwise to abolish the doctor's private consulting room, just as it would be unwise to short-circuit the established pharmacies.

The main item of the agreed programme of the Pharmaceutical Society and of the National Pharmaceutical Union is that pharmacy is able to provide in its pharmacies and hospital dispensaries all the service that the population will require, in fact pharmacy can provide the best possible service. Mr. Linstead thought all would agree with him that the introduction of commercialised pharmacy as practised by the chain stores had led to some deterioration of the standard of the practice of pharmacy and the present crisis offers a new opportunity for pharmacy. The standard had been lowered because the 15,000 pharmacists include many that are redundant. Can we face a possible further dilution, say a further 5,000, bringing the number up to 20,000? asked Mr. Linstead. It is essential that the proposed Pharmacy Commission

should have power to veto an application to open a new pharmacy in an area in which the public was already well served by existing establishments. There was opposition to this proposal from the commercial interests entrenched in pharmacy, but the interests of all pharmacists were bound up in this proposed control.

Value of the Individual Trader

MR. BEVERLEY BAXTER, the Southgate and Wood Green representative in the House of Commons, expressed his deep interest in the Beveridge proposals as they affected his pharmaceutical constituents. He declared his belief in the value to the community of the individual trader. Pharmacists should insist that if a dispensary was included in each health centre, the service should be provided by the pharmacists of that area. He pleaded for the interest of the individual trader in his own organisations. Many of the ills were due to not making his voice heard.

Speaking for his own constituency, he suggested that the pharmacists of Southgate and Wood Green had given the public and the State a square deal. While a champion of open competition and complete freedom in business, he accepted the idea of the necessity of controlling the establishment of new units in pharmacy, the guiding principle to be the public need and the observance of the standards demanded. He considered that the proposed Pharmacy Commission was not only feasible but practical. Asked how pharmacists could get Parliament *au fait* with the pharmaceutical viewpoint on the Beveridge scheme, he said that the ideal way had been shown by pharmacists of his own constituency, and he suggested that every branch of the Society should invite their local member to meet them and Mr. Linstead and explore the position.

MR. L. HAYWARD in his vote of thanks deprecated the references that were being continually made on the inefficient pharmacies. He maintained that in the North London area, a high standard was being observed, in spite of the fact that there was, as yet, no control whatever of the dispensing done in physicians' surgeries.

MR. DICKSON, in seconding, pleaded that in considering pharmaceutical matters in branch meetings, we should forget the distinctions conferred by status of employment and treat all matters from the point of view of a pharmacist.

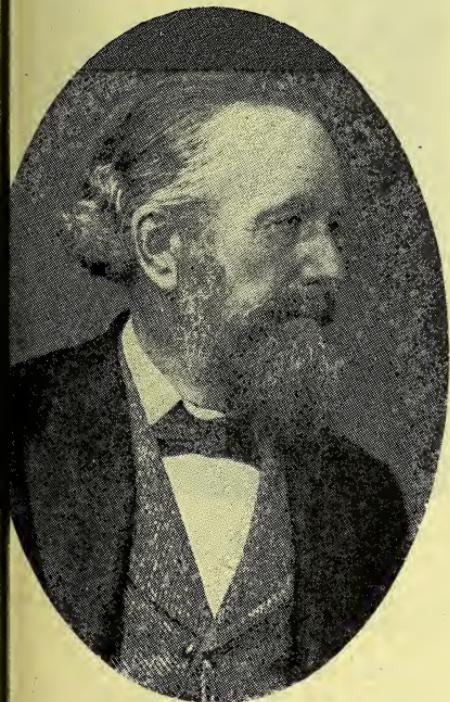
THE ROYAL INSTITUTE OF CHEMISTRY OF GREAT BRITAIN AND IRELAND

THE announcement made in May of this year that His Majesty The King had been graciously pleased to command that the Institute of Chemistry should henceforth be known as "The Royal Institute of Chemistry of Great Britain and Ireland" was received with considerable satisfaction by pharmacists, some of whom are also

Frankland, K.C.B., F.R.S., at that time president of the Chemical Society, stressed the desirability of establishing an institute which would be to chemists what the Royal College of Physicians and Surgeons was to the medical profession, the Institution of Civil Engineers to engineers and the Inns of Court to the legal profession. Informal meetings of chemists were organised by Mr.—later Professor Sir—Walter Noel Hartley, F.R.S., which were followed, on October 2, 1877, by the incorporation of the Institute under the Companies Act, the primary object being to ensure that those who practised the profession of chemistry should be duly qualified for the proper discharge of their duties.

In 1877 Frankland was elected the first president of the Institute, a position which he held until 1880, attracting by his personal influence a large number of the best chemists of the time to the new organisation. The first Council consisted largely of professors of chemistry from the universities and colleges. It is interesting to note that the original members of the Institute were selected by a special committee and 225 members had been enrolled when the first annual general meeting was held on March 1, 1878. Thereafter, in preparation for membership a course of training extending over three years was prescribed, and in 1881 examinations were inaugurated.

The next president was Sir Frederick Augustus Abel, Bart., K.C.B., G.C.V.O., F.R.S., who had taken an active part in the early work of organisation. He guided the Institute through a period (1880–1883) when its strength was not yet assured and when the enthusiasm to which it owed its origin had in some measure cooled. During his presidency the question of the re-incorporation of the Institute under Act of Parliament or Royal Charter came under consideration. Abel was succeeded in 1883 by Professor William Odling, F.R.S., Waynflete Professor of Chemistry at the University of Oxford, whose term of office continued until 1888. During this period the Institute received from Her Majesty Queen Victoria the grant of a Royal Charter with power to confer qualifications and to grant certificates of competency. The Institute thus became entrusted by the Crown with the duty of promoting the extension and improvement of chemical education. This official recognition given



Sir Edward Frankland, first president of the Institute

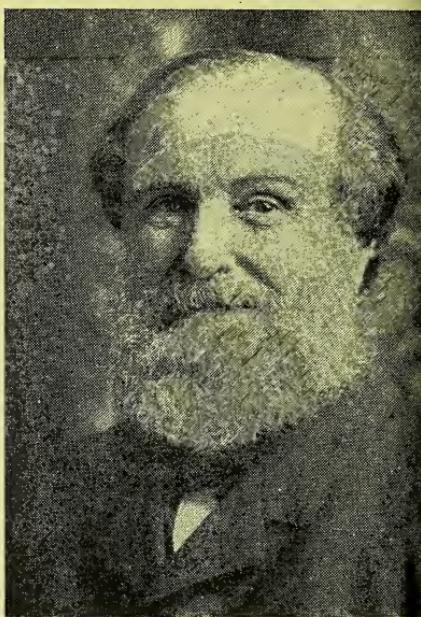
members of the Institute. The history of the Royal Institute of Chemistry is a fascinating study of the endeavours of many eminent men to build up an organisation to promote the education and maintenance of the professional status of chemists whose work is primarily concerned with industry, commerce, and the needs of the State. The high standards of technical training and professional integrity demanded of members, and the importance attached to the qualifications granted by the Institute—fellowship and associateship—are evidence of the realisation of the objects of its founders.

In 1872 Professor—later Sir—Edward

to chemistry as a profession naturally attracted to it men of the highest ability and culture, but, even so, membership was slow of growth and the demand for the services of chemists still remained very small. Odling was succeeded in 1888 by a representative of another branch of the profession, Dr. James Bell, C.B., D.Sc., Ph.D., F.R.S., then principal of the Inland Revenue Laboratory, who was instrumental in securing a greater measure of recognition and encouragement for the Institute by governmental authorities. Bell's presidency ended in 1891, when he was followed by Professor Sir William Augustus Tilden, LL.D., D.Sc., F.R.S., under whom the regulations for membership were placed on a still sounder basis. Candidates were required to pass a preliminary examination in subjects of general education, an intermediate examination in general chemistry, and a final examination in a special branch. Graduates in science with first- or second-class honours in chemistry, and candidates possessing equivalent qualifications were exempted from the intermediate examination, but no candidate was admitted to the associateship without examination by the Institute, while election to the fellowship direct was practically restricted to associates having at least three years of approved experience. During Tilden's period of office the Institute acquired premises and laboratories in Bloomsbury Square under a lease which expired in 1914. This removal from the small office in the house of the Royal Statistical Society in Adelphi Terrace made possible the better organisation of the Institute's affairs and contributed in no small measure to the enhancement of its prestige. In 1894 Tilden was succeeded in the presidential chair by Dr. William James Russell, F.R.S., professor of chemistry at St. Bartholomew's Hospital Medical School, who held office until 1897. Russell strove to consolidate the various interests and to promote closer relations among professional chemists generally. He was succeeded (1897-1900) by Sir Thomas Stevenson, analyst to the Home Office, under whose initiative the Council established examinations in the chemistry and microscopy of food and drugs, and water. The certificates granted on the passing of these examinations have, since 1900, been accepted by the Local Government Board—now the Ministry of Health—as evidence for appointment as public analysts under the Food and Drugs (Adulteration) Act.

For the next three years the presidential chair was occupied by Professor John

Millar Thomson, F.R.S., professor of chemistry at King's College, London, who had previously held office for six years as honorary registrar. Thomson's main contribution to the Institute was concerned with educational work, and from this time



Professor William Odling, "Charter President" of Institute

activity of the Council in matters of professional interest steadily increased.

Industrial Chemist as President

In 1903 the first president of the Institute to represent chemists engaged in chemical industry was appointed to the chair in person of Mr. David Howard, J.P., D.L., Howards & Sons, Ltd., Ilford, who had previously occupied the position of honorary treasurer for eighteen years. During his term of office special consideration was given to the preparation of chemists for technological work and opinions were collected as to the lines on which chemists intending to enter industry should pursue their studies, in order that they might more readily apply their knowledge to problems on the manufacturing scale. Howard was followed in 1906 by Professor Percy Faraday Franklin, C.B.E., LL.D., Ph.D., F.R.S., professor of chemistry in the University of Birmingham, who had the distinction

ing the first to be elected to the presidential chair who had passed into the Institute examination. His experience as a first-examiner enabled him to initiate means for developing the examination system of the Institute. Towards the close of his presidency the Council opened a fund for new buildings for the Institute. The next president was Sir George Beilby, LL.D., F.R.S. (1909-1912), a distinguished chemical engineer and the second president to represent the chemical industry. His term of office was marked by the successful raising of the building fund and the institution of a scheme of lectures given by chemists of experience, whereby the younger members and students should be afforded insight into the actual work of professional life. In 1912 the presidential chair was occupied by Professor Raphael Meldola, Sc., LL.D., F.R.S. (1912-1915), during whose presidency the present premises of the Institute in Russell Square, London, were completed and occupied.

Steady Progress

During this period of the life of the Institute steady progress was made, but the membership had not yet exceeded 1,500. The war of 1914-1918, however, brought great opportunities for professional service, and under the presidency (1915-1918) of James Johnston Dobbie, M.A., LL.D., Sc., F.R.S., Government chemist, the Institute became the chief agency for listing chemists for the production of munitions and for service in the armed forces. The Institute also gave encouragement to the manufacture of reagents, chemicals, glass, porcelain, filter papers and apparatus hitherto obtained from abroad and urgently required for war industries. Under Dobbie, notwithstanding his heavy responsibilities as Government chemist, further progress was made in the organisation of the profession of chemistry within the Institute. He was followed (1918-1921) by Sir Herbert Jackson, K.B.E., F.R.S., who had carried out valuable investigation of the glass industry during the war. His term of office was marked by a broadening of the basis of admission to membership by extending the compulsory training from four years instead of three. In 1921 A. Chaston Chapman, F.R.S., consulting chemist and public analyst, occupied the presidential chair and was succeeded in 1924 by Professor George Gerald Henderson, A., D.Sc., LL.D., F.R.S., who guided the Institute until 1927. During this period the Institute continued to increase in numbers

and influence owing to the impetus given to the applications of science to industry and to the growing demand for highly-trained chemists. During the presidency (1927-1930) of Professor Arthur Smithells, C.M.G., D.Sc., F.R.S., who had been much concerned with gas defence, the jubilee of the foundation of the Institute was celebrated under the patronage of H.R.H. The Prince of Wales.

Smithells was succeeded in 1930 by Sir George Christopher Clayton, C.B.E., Ph.D., at that time M.P. for Wirral, who rendered valuable services to the Government and to the profession of chemistry in connexion with several measures then before Parliament. In 1933 the presidential chair was occupied by Sir Jocelyn Field Thorpe, C.B.E., F.R.S., professor of chemistry at the Imperial College of Science and Technology, who held office until 1936 and presided at the Charter Jubilee in 1935, when the Institute was honoured with the patronage of His Majesty King George V, a privilege graciously continued by the present King. He was succeeded by Sir Robert Howson Pickard, F.R.S., then also vice-chancellor of the University of London. He was succeeded in 1939 by Mr. W. A. S. Calder, chemical engineer, who died in 1940 before completing a year in office. Dr. J. J. Fox, C.B., O.B.E., Government chemist, was the next president. He retired from the office on March 1, 1943. The present president is Professor Alexander Findlay, who has recently retired from the Chair of Chemistry in the University of Aberdeen.

The Institute's Work

The qualifications awarded by the Institute—F.I.C. and A.I.C.—are considered as indispensable for many official chemical appointments, and are, indeed, acknowledged as a hall-mark of competence and professional standing in the chemical world. The register at present contains the names of over 8,500 fellows and over 950 registered students. Local sections have been established in more than twenty centres. The Institute publishes its "Journal and Proceedings" and maintains at its excellent headquarters a reference library which is particularly useful for examination candidates. A benevolent fund, founded in 1920 as a memorial to fellows, associates, and students who died in the service of their country during 1914-18, is administered by the Council for necessitous persons who are or have been fellows or associates and their dependants.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, August 18

REPORTS from practically all sections of the London drug and chemical markets agree that the past week has been about the quietest so far experienced this year. No individual item can be selected for special comment and no outstanding price movements have occurred in crude drugs or essential oils. In the PHARMACEUTICAL CHEMICALS section, however, makers of CREAM OF TARTAR report lower rates while, on account of the increased price of GALL NUTS, there has been an advance in the prices of GALLIC, TANNIC and PYRO-GALLIC ACIDS. Business has been quite of a routine character with all other prices repeated.

Crude Drugs

Business in this section is practically confined to filling routine orders for crude drugs required for immediate consumption by home manufacturers. Apart from this activity dealers are being put to a good deal of work in answering numerous inquiries for crude drugs which have disappeared from the market but which have apparently only just been missed by some users. These include such items as areca nut, henna leaves, juniper berries, senega, slippery elm bark, uva ursi leaves and wild cherries, supplies of which are not likely to become available until after the war. Despite these shortages, however, the range of crude drugs at present at the disposal of manufacturers is not unduly limited, and although stocks of some products are small, most reasonable demands can be met. The higher price noted last week for Cape ALOES has been maintained in view of the paucity of spot supplies, but a further increase is indicated. Firm conditions obtain for BALSAM TOLU. Business in BENZOIN has again been slow as supplies are restricted to the manufacture of B.P. preparations. Very little business is being done in CARDAMOMS, prices of which are unchanged. CASCARA SAGRADA continues in good inquiry but no stocks are available to meet the current demand. No sound ERGOR is to be had at present but some wormy material is available: demand for this item, after a lengthy period of inactivity, has been quite good. GUM ACACIA is steady. Demand for IPE-

CACUANHA appears to have slackened: supplies are extremely scarce. MENTHOL is now much less active with only routine sales being made. RHUBARB is selling fairly well at last-mentioned prices. Dull conditions persist in the markets for SEEDS and last week's quotations are repeated. No change has occurred in the current prices of the principal medium grades of TRAGACANTH.

Essential Oils

It is difficult to visualise any immediate possibility of change in this market. Prices of the "free" oils appear to have become more or less stabilised, while no indication has yet been given of the values to be placed on the controlled materials. ANISE (STAR) continues in fair request but supplies are difficult to find. A good inquiry has been received for CITRONELLA. English distillers' prices for CLOVE are steady. Chinese PEPPERMINT is wanted but supplies are difficult to find. No changes have been notified in the prices of FIXED OILS.

Pharmaceutical Chemicals

ACETANILIDE.—In ample supply at 2s. 5d per lb. for crystals; powder 2s. 6d.

ALLOBARBITONE.—May be had from makers at the unchanged price of 6s. per lb.

ASPIRIN.—Makers' quotations are steady. Quantities of 28 lb. to 1 cwt. are priced per lb as follows (containers in brackets): 4s. (1-lb.) 3s. 10½d. (4-lb.); 3s. 9½d. (7-lb.); 3s. 9d (14-lb.); 3s. 8½d. (28-lb.). Prices are net one month.

BORIC ACID.—Makers' quotations are as follows: B.P. granulated, £60 15s. per ton crystal, £61 15s.; powder, £62 15s. Packed in one-cwt. bags, delivered carriage paid in Great Britain, in one-ton lots and upwards. Commercial grades, £8 per ton less.

CODEINE.—Prices per oz. for small quantities are as follows: ALKALOID.—½ oz., 48s. 3d. 1 oz., 45s. 9d.; 2 oz., 44s. 3d.; 3 oz., 43s. 6d. 4 oz., 43s. 3d. HYDROCHLORIDE.—½ oz., 42s. 1 oz., 39s. 6d.; 2 oz., 38s.; 3 oz., 37s. 3d. 4 oz., 37s. PHOSPHATE.—½ oz., 37s. 9d.; 1 oz. 35s. 3d.; 2 oz., 33s. 9d.; 3 oz., 33s.; 4 oz. 32s. 9d.

CREAM OF TARTAR.—British manufacturers' quotations are reduced to 262s. per cwt., less 2½ per cent. discount.

ETHYL MORPHINE.—Prices per oz. for small quantities are as follows: ALKALOID.—½ oz. 51s.; 1 oz., 48s. 6d.; 2 oz., 47s.; 3 oz., 46s. 3d.

oz., 46s. HYDROCHLORIDE.—½ oz., 43s.; 1 oz., 5s. 6d.; 2 oz., 39s.; 3 oz., 38s. 3d.; 4 oz., 38s. DIAMORPHINE.—Prices per oz. for small quantities are as follows: ALKALOID.—½ oz., 5s. 1 oz., 51s. 6d.; 2 oz., 50s.; 3 oz., 49s. 3d.; 4 oz., 49s. HYDROCHLORIDE.—½ oz., 49s.; 1 oz., 5s. 6d.; 2 oz., 45s.; 3 oz., 44s. 3d.; 4 oz., 44s. GALLIC ACID.—Price has been advanced to 10s. per lb., according to quantity.

GLYCERIN.—Prices per cwt. for small quantities are as follows: 56-lb. tin, 99s.; 14-lb., 105s.; subject to 2½ per cent. discount, enty-eight days.

GUAIACOLS.—Prices of CRYSTALS and CARBONATE unchanged at from 14s. to 15s. per lb.

HOMATROPIINE.—Makers' prices per oz. are follows (prices per gram in brackets): ALKALOID, 1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 6d. (4s.). HYDROCHLORIDE, HYDROCHLORIDE and SULPHATE, 1 oz., 75s.; 4 oz., 70s.; oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—Prices per lb. for home market are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s.; 28 lb., 9s. 6d.; 1lb., 10s.; 7 lb., 11s. 6d.; 4 lb., 12s.; smaller quantities, 12s. 6d. SODIUM IODIDE, B.P.—1lb., 9s. 11d.; 14 lb., 10s. 5d.; 7 lb., 12s. 2d.; 1b., 12s. 10d.; smaller quantities, 13s. 8d. IODOFORM, B.P.—28 lb., 12s. 10d.; 14 lb., 4d.; 7 lb., 15s. 6d.; 4 lb., 16s. 4d.; smaller quantities, 17s. 2d. IODOFORM CRYSTALS.—per lb. above powder prices. IODINE SUBLIMED, B.P.—112 lb., 10s. 4d.; 28 lb., 10d.; 14 lb., 11s. 4d.; 7 lb., 13s. 1d.; 1s., 13s. 9d.; smaller quantities, 14s. 6d.

PYROGALLIC ACID.—Prices have been advanced on account of an increase in the price of nuts. New rates are as follows: CRYSTALS, wt., 17s. 9d. per lb.; 56 lb., 18s. 3d.; 28 lb., 9d., all net; 14 lb., 19s. 9d.; 7 lb., 20s. 9d.; than 7 lb., 21s. 9d., all less 2½ per cent. discount. RESUBLIMED, 1 cwt., 20s. 6d. per lb.; 1b., 21s.; 28 lb., 21s. 9d., all net; 14 lb., 7 lb., 24s. 3d.; less than 7 lb., 25s. 6d., less 2½ per cent. discount.

ANTONIN.—Home-traded prices are as follows: 10 kilos and over, £62; not less than 5 s., £63; 2-4 kilos, £64; 1 kilo, £65; 500 ns., £66; 250 grams, £67; 100 grams, £68; than 100 grams, £69 per kilo. Carriage paid United Kingdom.

ODIUM SALICYLATE.—Makers' prices per lb. quantities of 28 lb.—1 cwt. are as follows (inners in brackets): 2s. 11½d. (1-lb.); 10d. (4-lb.); 2s. 9d. (7-lb.); 2s. 8½d. (lb.); 2s. 8d. (28-lb.). Prices net one month. ULPHANILAMIDE.—Current prices range from 6d. to 12s. 6d. per lb., according to quantity, lower figure being for half to one-ton lots.

ANNIC ACID (LEVIS EX ETHER).—Price has been advanced to 9s. to 10s. per lb.

ERPINEOL.—May be had for medicinal use from 3s. 6d. to 4s. per lb.

ANILLIN.—Makers' prices are steady, as follows: Ex clove oil or guaiacol, 5 cwt., 22s. 6d. (lb.); 1 cwt., 22s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d.

Crude Drugs

ALOES.—Only small quantities of the Cape variety are now available. Spot price would be 80s. per cwt., but some holders are reported to be asking 82s. 6d. Curaçao continues to be neglected and prices are unchanged.

ANTIMONY.—Supply and price position unchanged with available production reserved for essential use. English minimum 99 per cent. regulus is quoted steady on spot at £120 per ton, delivered; 70 per cent. crude, for the home trade, £100 per ton, delivered.

BALSAMS.—Firm conditions obtain for *Tolu*, the price of which remains at 13s. 6d. per lb.; *Canada*, unchanged at 10s. 3d.; *Peru*, 8s. 6d.; *Copaiba* is unobtainable.

BELLADONNA.—Spot price of Indian leaf steady at from 5s. to 5s. 3d. per lb., according to test. Indian root, from 4s. to 4s. 6d., also according to test.

CAMPHOR.—Supplies of both synthetic and natural imported by the Ministry of Supply are available for distribution to approved users. Re-sale prices for quantities under 7 lb. are awaited.

CASCARA SAGRADA.—Many inquiries are being received but no stocks are available to meet the demand.

CHILLIES.—Mombasa may be had on spot at 120s. per cwt., but no other varieties are offered.

COCOA BUTTER.—Except when sales are made under licence the maximum official price is rs. 5½d. per lb., ex factory or warehouse.

COCONUT (DESICCATED).—The maximum selling price under Ministry of Food Order is 49s. per cwt.

ERGOT.—The rather better demand experienced last week has continued but no sound material appears to be available on spot. Some wormy Portuguese may be had, however, at 5s. per lb.

GUM ACACIA.—Steady, with the spot price of Kordofan cleaned sorts at 95s. per cwt.; bleached, for shipment, 140s., c.i.f. Some cleaned Talha is still available at 55s., landed terms.

IPECACUANHA.—The demand is less pronounced this week. Spot supplies are scarce with any available Matto Grosso worth 22s. per lb.; Minas B.P., 18s. 6d. per lb., if available; under B.P. standard, 17s. to 17s. 6d. per lb., according to test. Current prices of Extr. IPECAC. LIQ., are as follows: Winchesters, B.P., 1932, under three, 30s. 6d. per lb.; three and under six, 30s.; six and under twelve, 29s. 6d.; twelve and over, 29s. B.P., 1914, under three, 28s. 6d.; three and under six, 28s.; six and under twelve, 27s. 6d.; twelve and over, 27s. per lb.; all prices quoted are on a net basis.

MENTHOL.—A routine business passing with the price for spot supplies steady at 115s. per lb.

MERCURY.—Prices are controlled between £68 10s. and £69 15s. per bottle, for quantities of over 7 lb.

PEPPERS.—Maximum prices of whole, not picked over or cleaned, on sale to processors, are at 1s. 4d. per lb. for white, and 1s. per lb. for black, both duty paid.

PIMENTO.—Spot sellers at 1s. 9d. per lb.; shipment, unquoted.

PODOPHYLLUM.—Untested material may be had on spot at 95s. per cwt.; shipment, 72s. 6d. c.i.f.

PSYLLIUM SEED.—Spot quotations for Indian seed are steady at 1s. 3d. per lb., ex store. Only small occasional business passing.

QUILLAIA BARK.—Crushed or cut bark, spot, 10s. per cwt.; natural, afloat, 75s. c.i.f.

RHUBARB.—Steady with no price movements noted. Spot business is reported passing in rough-round at from 7s. 9d. to 8s. per lb., according to quantity; flat high-dried, rough-coat, 8s. to 8s. 3d.; slightly wormy, 8s.; Shensi pickings, 10s.

SAPONIN.—Spot price is steady at 7s. 6d. per lb., ex store.

SEEDS.—These commodities are again neglected with no quotable price movements to record. Current rates are as follows: **CORIANDER.**—Indian, 92s. to 92s. 6d. per cwt. **CUMIN.**—Maltese, spot, 122s. 6d.; Indian, 112s. 6d. **DILL.**—160s. ex wharf Glasgow; 170s., ex wharf London. **FENNEL.**—Nominal at 90s. **FENUGREEK.**—May be had at 82s. 6d. **MUSTARD.**—Controlled prices unchanged.

SENNA.—All prices are unchanged as follows: Alexandrian pods, medium, 3s. 9d. to 4s. per lb.; Tinnevelly pods, hand-picked, 11d. to 1s. 5d.; ordinary grade, 10d. to 11d.; manufacturing, 6d. to 7½d. Alexandrian leaves, broken, 1s. 3d. to 1s. 4d.; Tinnevelly leaves, No. 1, 9d. to 10d.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d.

SQUILL.—Steady. Portuguese, spot, 80s. per cwt.; Indian, 72s. 6d.

STRAMONIUM LEAVES.—Indian leaves, on spot, would be worth 95s. per cwt., ex store.

STROPHANTHUS.—100 per cent. Kombé seed may be obtained from dealers at 10s. 6d. per lb.; a lower price would be accepted for larger quantities.

TRAGACANTH.—Demand steady; quotations unchanged. The principal medium grades are priced as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £102; No. 4, white, £83; pale leaf, £73; amber leaf, £65; dark amber, £50; brown leaf, £45; red-and-brown leaf, £38; red leaf, from £32; hoggy, light, from £17; woody and dark, £12.

TURMERIC.—Extremely quiet with practically no inquiry; sound-quality Madras finger would be worth 60s. per cwt. on the spot, and wormy, half-a-crown less.

VALERIAN ROOT.—Spot quotations for Indian are steady at 95s. per cwt., ex store.

WAXES.—**BEES.**—Through Association of Merchant Distributors of Beeswax only. **CARNAUBA.**—Firm. Fatty grey and chalky grey, spot, 430s.; Primeira, 530s. per cwt.

Essential and Expressed Oils

ANISE (STAR).—Spot supplies are very scarce with prices up to 70s. per lb. being asked holders.

CAJUPUT.—Dealers would require about 10s. per lb. for any available small spot stocks.

CINNAMON LEAF.—Offered on spot at the changed price of 15s. 6d. per lb.

CITRONELLA.—Continues in good inquisitiveness Java oil is quoted at about 25s. per lb., Ceylon in the region of 21s. 6d.

CLOVE.—English distillers' prices for oil remain at 14s. per lb.; imported oil would be cheaper according to grade.

COCONUT.—Fixed prices for bulk supplies as follows: refined deodorised, £49 per ton; refined hardened deodorised, £53, naked works.

COTTONSEED.—Prices for bulk supplies fixed at the following levels: refined edible, per ton; refined deodorised, £58 per ton; both naked ex works.

CROTON.—Quoted at 9s. 6d. per lb.

EUCALYPTUS.—Small quantities of oil containing from 70 to 75 per cent. cineole are offered about 6s. 6d. per lb., on spot.

GERANIUM.—Genuine North African, in small compass, may be had at approximately 90s. per lb.

GROUNDNUT.—Controlled prices for bulk supplies are as follows: refined deodorised, per ton; refined hardened deodorised, to £62; refined hardened deodorised, to 50°, 52°, £62; all naked ex works.

LEMONGRASS.—Spot holders would require from 15s. to 16s. per lb.

NUTMEG.—Oil from West Indian nutmegs may be had, on spot, at about 42s. per lb.

PALM.—Official price of refined deodorised remains at £55 per ton and that of refined hardened deodorised at £58 per ton, both naked ex works.

PALM KERNEL.—Controlled price is £49 per ton, naked ex works, for refined deodorised and £53 per ton for hardened refined deodorised.

PATCHOULI.—Spot price of any available supplies of good-quality oil would be in the region of 75s. per lb.

PEPPERMINT.—Some business is reported passing in odd lots of Chinese oil at 102s. 6d. 110s. per lb.

PETITGRAIN.—Extremely short on spot; price would be about 25s. per lb.

RAPESEED.—Controlled price of bulk supplies is unchanged at 60s. per ton, naked ex work.

ROSEMARY.—Any available small spot supplies would be worth about 16s. per lb.

SPIKE.—Spot, if available, around 32s. per lb.

THYME.—In short supply; high-grade would fetch about 25s. per lb.

VETIVERT.—Spot, about 95s. per lb.

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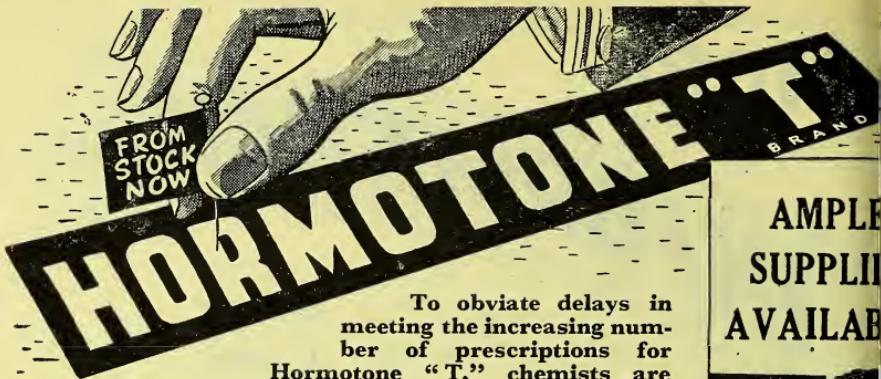
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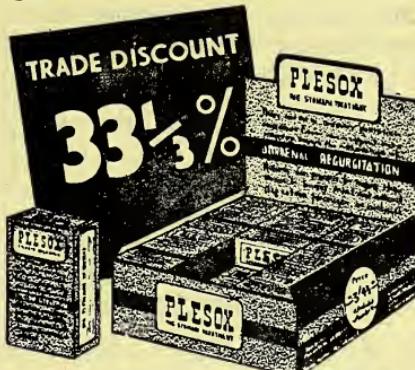
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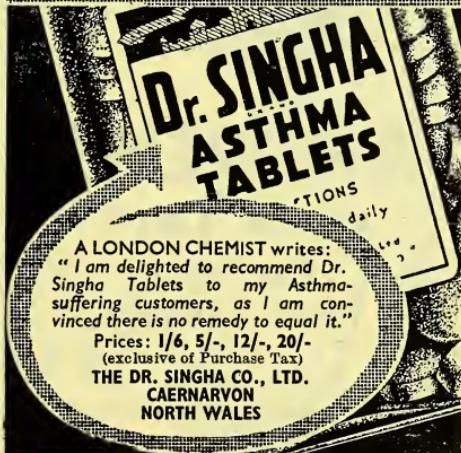
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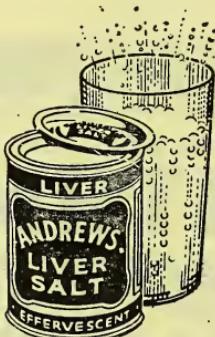
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28 ESSEX STREET, LONDON, W.C.2

AUGUST 21
1943

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